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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                      OM nucleic - nucleic search, using sw model
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September 30, 2004, 16:30:56; Search time 1 Seconds (without alignments) 1.712 Million cell updates/sec Run on:

US-09-503-596-2

Title: Perfect score:

1 ggaattccaggagggtgcag......ataacttttttagatttag 634 IDENTITY_NUC Scoring table: Sequence:

Gapop 10.0 , Gapext 0.5 57 segs, 1350 residues Total number of hits satisfying chosen parameters:

Searched:

Minimum DB seq length: 10 Maximum DB seq length: 100

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 57 summaries

rng2.seg:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Description	Human fatty acid b	Human spliced tran	Probe related to t	Human leukocyte ge	be #17 used i	RNA	9 #17,	#16 use	RNA speci	#16,	#15 n	Ş	obe #15,	r aP2	ro	#19 used	NA spec	#19, used	#18 used i	peci	#18, us	NA amplifyi	atty acid	fatt	CDNA ampli	Æ	man aP2 gene	nRNA ampl	be #20 used	ap2 mRNA specific	#20,	P2 gene a	mer
ΩΙ	375	9	3397	1080	2548	AA168020	T#	25	AA168019	AAD24703	AAD25478	AA168018	2	44	AAA72371	10	302	170	254	AAI68021	2470	278	712	ABK87127	973	AAD29733	558	5678	25	5802	22470	558	
DB		н		٦	-	Н	Н	н	Н	-	-1	Н	н	н	~1	н	-1	гH	Ä	Н			н	Н	Н	Н	Н	н	1	-	~	H	Н
Query Match Length	65	60	9	20	33	33	33	29	20	29	26	26	56	26	30	24	24	24	23	23	23	20	20	20	20	20	20	19	19	19	73	20	22
Query Match		•	•	•	•	•	5.2	•	4.6		•	•	•	•	•	•	•	•		•	٠	•	•	•	•	•	•	•	•	•	3.0	•	
Score	65	9	51	20	33	33	33	29	29	29	26	26	26	26	24.2	24	24	24	23	23	23	20	20	20	20	20	20	19	19	19	19	19	18.8
esult No.	1	N	m	4	ហ	9	7	œ	ου	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	52	56	27	28	7	30	31	32	33
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Human fatty acid b Human oligonucleot	Novel fatty acid-b Human H-Ras DNAzym	bialle	Human biallelic ma	Human carboxypepti	. Probe COD 957 spec	Human HTPL scannin	Human HTPL scannin	Human ERG hammerhe	Tumour suppression	Human otoferlin ex	Tumour suppression	Integrin alpha 6 s	Integrin alpha 6 s	Neurofibromatosis	Human pp-GaNTase 1	Tumour suppression	Human K-Ras DNAzym	Tumour suppression	Target sequence wi	Probe for anti-CEA	junB gene antisens
AAD48760 ABZ85335	ABK92082 ABZ61709	08	AAZ73388	AAD33908	AAQ11390	ABV80082	ABV80083	ABK17807	ADB45486	AAS95047	ADB42764	AAA21306	AAA21305	AAS05096	ABV85336	ABT36459	ABZ60950	ADB40481	AAV93839	AAQ28744	AAV48633
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100			18	18	17	17	17	17		18			17	17	17	17	17	17	12	16	
2 5 . 8	2.6					٠		•	•					•		•	•				
18 16.8	16.8	'n	14.8	14.8	14.4	14.4	14.4	14.4	4.	14.4	14	13.8		13.8	m	13.8	e,	13.8	13.4	13.4	13.4
35		m						4	c 45	46				c 20	c 51			Ŋ			

ALIGNMENTS

AAD48759

AAD48759 standard; RNA; 65 BP

AAD48759;

07-MAR-2003 (first entry)

Human fatty acid binding protein 2 (FABP-2) RNA fragment #1.

Human; RNA binding molecule; fatty acid binding protein 2; FABP-2; ss.

Homo sapiens.

WO200281748-A1.

04-APR-2002; 2002WO-SE000677.

05-APR-2001; 2001SE-00001218. 05-APR-2001; 2001US-0281384P.

(BIOV-) BIOVITRUM AB.

Ekblom J;

WPI; 2003-058568/05.

Identifying RNA-binding molecule by predicting structure of RNA fragment, synthesizing DNA fragment corresponding to predicted RNA structure, performing reporter gene assay after placing the DNA upstream of reporter gene.

Claim 12; Page 28; 35pp; English.

The present invention relates to a method of identifying RNA-binding molecule comprising predicting the structure of RNA-fragment, selecting suitable predicted RNA fragment with an individual stew, synthesising a DNA-fragment corresponding to the RNA fragment, inserting the DNA fragment in upstream proximity of reporter assay gene to form reporter construct and performing a reporter gene assay which detects interaction between a molecule to be tested for RNA-binding and RNA fragment of the reporter construct. The method is useful for identifying an RNA binding

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Gaps

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nolecule. The present sequence is human fatty acid binding protein 2
[FABP-2] RNA fragment. This sequence is used to illustrate the method of
                                                                                               1 GGAATTCCAGGAGGGTGCAGCTTCCTTCTCACCTTGAAGAATAATCCTAGAAAACTCACA
                                                                                                                                                                                                                                   Human spliced transcript detection oligonucleotide SEQ ID NO:12576.
                                                                                                                                                                                                                                                     Human; mouse; rat; splice transcript; detection; RNA transcript; splice variant; transcriptome; oligonucleotide library; ss.
                                                     DB 1; Length 65;
                                                                     0; Indels
                                Sequence 65 BP; 22 A; 15 C; 13 G; 0 T; 15 U; 0 Other;
                                                  Query Match
Best Local Similarity 76.9%; Pred. No. 0.12;
Matches 50; Conservative 15; Mismatches
                                                                                                                                                                                 ABN39828 standard; DNA; 60 BP.
                                                                                                                                                                                                                                                                                                                                 20-JUL-2001; 2001WO-IB001903
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                                                                                                                                                                                                                    (first entry)
                                                                                                                      61 AAATG 65
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                                                                                                                                                                                                                                                                                               WO200210449-A2.
                  the invention
                                                                                                                                                                                                                                                                               Homo sapiens
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                                                                                                                                                                                                  ABN39828
                                                                                                                                                                       RESULT 2
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                                                                                     New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mRNAs transcribed from a transcription unit genome, useful for detecting tissue-, pathology-, and developmental-
       Faigler
     Mintz L,
  Mintz E,
Wasserman A,
                                             WPI; 2002-257383/30.
                                                                                                                                                                 specific genes.
Shoshan A,
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(COMP-) COMPUGEN INC

Example 1; SEQ ID NO 12576; 47pp; English.

The present invention describes oligonucleotide libraries for detecting messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple transcription units that populate a genome. The library comprises several oligonucleotides, each capable of hybridising selectively to a set of messenger RNAs transcribed from a given transcription unit of the genome, which encodes one or more messenger RNA splice variants. The oligonucleotide libraries are useful for detecting mRNAs from a construction of the genome, oligonucleotide libraries are useful for detecting mRNAs from a construction of the second proportion of the second profiling studies, in qualitatively or cuantitatively characterising the corresponding transcriptome, and in conscriptiones. The libraries may also be used as specialised minimate transcripts of a sub-transcriptome under a particular conformation of pathological state, and so allowing the detection of tissue conformation and pathology-specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect Conservation of the sevent of developmental specific genes; and to detect RNA transcripts and splice

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                                                                                                                                                                                                                                                                446 TTATGAGAGGATAAAGCCAAGGGACGTTGACCTGGACTGAAGTTCGCATTGAACTCTAC 505
variants of a transcriptome of a patient suffering from a particular disorder. ABN27553 to ABN5589 represent oligonucleotide sequences from rats, humans and mice, which are used in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating the phenotype of a target cell population in a patient who has or is at risk of developing a disease or condition associated with dysregulation of cellular phenotype. The method involves the administration of a composition containing a recombinant nucleic acid molecule (rNA) encoding a cyclic-AMP responsive element binding (CRBB) protein having CRBB biological activity to a patient, such that the CRBB protein is expressed in target cells, and is sufficient to modulate the phenotype of the target cells. CRBB protein is a transcription factor necessary and sufficient to induce a modulation in
                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; cyclic adenosine mono phosphate; cell phenotype modulator; CREB; cAMP responsive element binding protein; antidiabetic; cytostatic; neuroprotective; nootropic; osteopathic; antiarthritic; antianginal; antiatherosclerotic; vasotropic; cerebroprotective; antidepressant; cardiant; hypotensive; obesity; cardiovascular disease; cardiomyopathy; congestive heart failure; macrovascular disease; pulmonary hypertension; acute myocardial infarction; stroke; peripheral vascular disease; post-angioplasty restenosis; heart failure; neurodegenerative disease; Alzheimer's disease; Parkinson's disease; spinal transection; acute neuronal ischaemia; tumour neovascularisation; probe; ss.
                                                                                                                                                                                                                                                                                                  1 TTATGAGAGGATAAGCCAAGGGACGTTGACCTGGACTGAAGTTCGCATTGAACTCTAC
                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Modulating cell phenotype in a patient having or risk of developing disease/condition linked with disregulation of cellular phenotype, comprises administering nucleic acid encoding cyclic-AMP responsive element binding protein.
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                                                                                                                                                                                    Score 60; DB 1; Length 60;
                                                                                                                                                                                                                          0; Indels
                                                                                                                                          Sequence 60 BP; 18 A; 12 C; 16 G; 14 T; 0 U; 0 Other;
                                                                                                                                                                                                       0.23;
                                                                                                                                                                          9.5%; Score v...
100.0%; Pred. No. 0.23;
...ive 0; Mismatches
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US DEPT VETERANS AFFAIRS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Probe related to the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                    AAD03972 standard; DNA; 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                        60, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-290891/30.
                                                                                                                                                                                                     Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unidentified.
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                                                                                                                                                                                Query Match
Best Local Si
Matches 60,
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                                                                                                                                                                                                                                                                                                                                                             RESULT 3
AAD03972/c
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cell phenotype and to induce cell differentiation in many cells. This method is useful for modulating the phenotype of target cell population such as adjocytes, vascular smooth muscle cells, cardiomycoytes, hepatocytes, skeletal muscle, beta-cells, pituitary, synovial lining, ovarian, testicular, fibroblasts, endothelial, neural cells (dopaminergic neural transplant cells), hippocampal neurons, cells of cortex and basal ganglia in a patient having or risk of developing obesity, diabetes, cardiovascular disease (congestive heart failure, cardiomycpathy), macrovascular disease (atherosclerosis, angina, acute myocardial infarction, stroke, pulmonary hypertension and amputation from peripheral vascular disease), post- angiophasty restenosis, catecarthritis, heart failure, and neuro- degenerative diseases (Alzheimer's disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Parkinson's disease, spinal transection, acute neuronal ischeemia and depression). This method is also used to inhibit tumour neovascularisation. The present sequence is a human DNA related to the invention. The present DNA sequence is a probe related to the invention
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Seguence 60 BP; 19 A; 16 C; 11 G; 14 T; 0 U; 0 Other;

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                                                                          63 ATGTGTGATGCTTTTGTAGGTACCTGGAAACTTGTCTCCAGTGAAAACTTTGATGATTA 121
                                                                                                            60 Argigicardecririgicada Accida Agerracica con Granda Actica and Arginian 2
                                      0; Gaps
  DB 1; Length 60;
                                    5; Indels
  Score 51; DB 1;
Pred. No. 0.88;
                                    0; Mismatches
  8.0%;
                  Local Similarity 91.5%;
les 54; Conservative
Query Match
                                    Matches
                                                                          à
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ABZ08011 standard; DNA; 50 BP. 09-JAN-2003 (first entry) ABZ08011; RESULT 4 ABZ0801:

T7; leukocyte; gene expression profiling; allograft rejection; atherosclerosis; congestive heart failure; systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis; cytomegalovirus; infection; probe; Human leukocyte gene expression profiling probe SEQ ID NO 8002.

Homo sapiens.

WO200257414-A2.

25-JUL-2002

22-OCT-2001; 2001WO-US047856

20-OCT-2000; 2000US-0241994P. 08-JUN-2001; 2001US-0296764P.

(BIOC-) BIOCARDIA INC

Phillips J; Prentice J, Altman P, P., Johnson F; Wohlgemuth J, Fry K, Matcuk G, A Ly N, Woodward R, Quertermous T,

WPI; 2002-636525/68.

New system for leukocyte expression profiling, diagnosing a disease, or monitoring (the rate of) progression of a disease, e.g. atherosclerosis or congestive heart failure, comprises diagnostic oligonucleotides.

Claim 1; Page 586; Opp; English.

The invention relates to a system for detecting gene expression, which comprises one or two isolated DNA molecules that detect expression of a gene, where the gene corresponds to any of 8143 oligonuclectides (ABZO0010-ABZO0152) each having 50 base pairs (bp). The system is useful for leukcoyte expression profiling. It is particularly useful for diagnosing a disease, monitoring (rate of) progression of a disease,

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predicting therapeutic outcome, determining prognosis for a patient, predicting disease complications in an individual or monitoring response to treatment in an individual. The diseases include cardiac allograft rejection, kidney allograft rejection, liver allograft trest at at at allograft rest at attended so the attended attended at the congestive heart failure, systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis or cytomegalovirus infection
       8888888888
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Sequence 50 BP; 11 A; 10 C; 8 G; 21 T; 0 U; 0 Other;

Gaps .. 0 Score 50; DB 1; Length 50; Pred. No. 0.84; 0; Indels Local Similarity 100.0%; Pred. No. 0.8 es 50; Conservative 0; Mismatches 7.98; Query Match Matches

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AAD25480 standard; DNA; 33 BP RESULT 5 AAD25480/c

AAD25480;

Probe #17 used in aP2 assay for antagonist.

(first entry)

26-MAR-2002

reduced insulin sensitivity; inflammation; cataract; aP2 mRNA; probe; ss. Benzoxazinone derivative, glucose metabolism, lipid metabolism, NIDDM, PPAR gamma, peroxisome proliferator activated receptor gamma; therapy, non-insulin dependant diabetes mellitus; nephropathy, neuropathy, pCOS, atherosclerosis, retinopathy, polycystic ovary syndrome; hypertension, ischaemia, obesity, heart disease, irritable bowel disorder, stroke,

Unidentified.

WO200187860-A2.

22-NOV-2001.

11-MAY-2001; 2001WO-US015320.

12-MAY-2000; 2000US-0203859P. 11-MAY-2001; 2001US-00853798. (ORTH) ORTHO-MCNEIL PHARM INC.

Burris TP, Rybczynski PJ;

WPI; 2002-082970/11.

Use of benzoxazinone derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism such as non-insulin dependant diabetes mellitus or obesity.

Example 2; Page 34; 45pp; English.

obesity, nephropathy, neuropathy, retinopathy, atherosclerosis, polycystic ovary syndrome (PCOS), hypertension, ischaemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. The present sequence is a probe designed to anneal to the aP2 mRNA and function in the bDNA mRNA detection system. This probe used in the aP2 assay for antagonist which is used in the exemplification of the The invention relates to benzoxazinone derivatives useful as peroxisome proliferator activated receptor (FPAR) gamma modulators. The invention also relates to pharmaceutical compositions comprising benzoxazinone derivatives and methods for treating the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity such as non-insulin dependant diabetes mellitus (NIDDM), nvention

Sequence 33 BP; 9 A; 6 C; 7 G; 11 T; 0 U; 0 Other;

AAD24704 standard; DNA; 33 BP.

AAD24704/c

RESULT 7

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use of benzoxazinone derivatives for treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma activity e.g. non-insulin dependant diabetes mellitus and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention provides methods of treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma (PPARgamma) activity that involves administering a benzoxazinone compound of a specified formula to the subject. The method is useful for treating and inhibiting in a subject the onset of a condition associated with PPARgamma activity such as a condition of reduced insulin sensitivity, non-insulin dependant diabetes mellitus, obesity,
                                                                                                                                                                                                                                                                                                                                                         Peroxisome proliferator activated receptor gamma; benzoxazinone; NIDDM; non-insulin dependant diabetes mellitus; antidiabetic; anorectic; nephretropic; ophthalmological; antiarteriosclerotic; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory; PPARgamma; probe; ap2; ss.
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                                           Gaps
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100.0%; Pred. No. 6.6;
iive 0; Mismatches 0; Indels
5.2%; Score 33; DB 1; Length 33; 100.0%; Pred. No. 6.6; 0; Indels iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Burris TP, Demarest KT, Combs DW, Rybczynski PJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 33 BP; 9 A; 6 C; 7 G; 11 T; 0 U; 0 Other;
                                                                              237 AAAAATACTGAGATTTCCTTCATACTGGGCCAG 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           237 AAAAATACTGAGATTTCCTTCATACTGGGCCAG 269
                                                                                                  33 AAAATACTGAGATTTCCTTCATACTGGGCCAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  33 AAAAATACTGAGATTTCCTTCATACTGGGCCAG 1
                                                                                                                                                                                                                                                                                                                               ap2 mRNA specific oligonuclectide probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 7; Page 29; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ORTH ) ORTHO-MCNEIL PHARM INC.
                                                                                                                                                                                                                  AAI68020 standard; DNA; 33 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          11-MAY-2001; 2001US-00854368.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-MAY-2001; 2001WO-US015377.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .2-MAY-2000; 2000US-0203861P.
                                                                                                                                                                                                                                                                                            13-MAR-2002 (first entry)
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                                         33; Conservative
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Best Local Similarity
Matches 33; Conserv
                      Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nephropathy,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                     AAI68020;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disorder,
    Query Match
Best Local &
                                       Matches
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The patent discloses 4h-Benzo(1,4)oxazin-3-one compounds which are useful as peroxisome proliferator activated receptor (PPAR) gamma agonists and antagonists. The invention also relates to compositions comprising such compounds and methods for treating or inhibiting the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity, such as non-insulin dependent diabetes mellitus (NIDDM), obesity, atherosclerosis, nephropathy, neuropathy, retinopathy, polycystic ovary syndrome, hypotrenaion, ischaemia, stroke, heart diseases, irritable bowel disorder, inflammation and cararct. The present DNA sequence is a probe which is designed to anneal to ap2 mRNA and function in the bDNA mRNA detection system. This probe is used in ap2 assay for antagonist in the exemplification of the invention
                                                                                                                       4h-Benzo(1,4)oxazin-3-one compound; glucose metabolism; lipid metabolism; PPAR gamma; peroxisome proliferator activated receptor; therapy; NIDDM; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; stroke; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease; irritable bowel disorder; cataract; wanorectic; nephrotropic; ophthalmological; cytostatic; hypotensive; vasocropic; cerebroprotective; cardiant; antiinflammatory; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of 4h-benzo(1,4) oxazin-3-one derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism e.g. non-insulin dependant diabetes mellitus and obesity.
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100.0%; Pred. No. 6.6;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 33 BP; 9 A; 6 C; 7 G; 11 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      237 AAAAATACTGAGATTTCCTTCATACTGGGCCAG 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       33 AAAATACTGAGATTTCCTTCATACTGGGCCAG 1
                                                                                          Probe #17, used in aP2 assay for antagonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rybczynski PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 38; Page 58; 76pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ORTH ) ORTHO-MCNEIL PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-MAY-2000; 2000US-0203860P.
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ID AAD25479 standard; DNA; 29
                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2002-055671/07.
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                                                       12-MAR-2002
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                                                                                                                                                                                                                                                                                                                                                                                   22-NOV-2001.
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                  AAD24704;
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Benzoxazinone derivative; glucose metabolism; lipid metabolism; NIDDM; PPAR gamma; peroxisome proliferator activated receptor gamma; therapy; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; PCOS; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease; irritable bowel disorder; stroke; reduced insulin sensitivity; inflammation; cataract; aP2 mRNA; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 proliferator activated receptor (PPAR) gamma modulators. The invention also relates to pharmaceutical compositions comprising benzoxazinone derivatives and methods for traing the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity such as non-insulin dependant diabetes mellitus (NIDDM), obesity, nephropathy, neuropathy, retinopathy, atherosclerosis, polycystic ovary syndrome (PCOS), hypertension, ischaemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. The present sequence is a probe designed to anneal to the app mRNA and function in the bDNA mRNA detection system. This probe used in the app assay for antagonist which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to benzoxazinone derivatives useful as peroxisome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use of benzoxazinone derivatives for treating a subject suffering from disorder in glucose and lipid metabolism such as non-insulin dependant diabetes mellitus or obesity.
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Probe #16 used in aP2 assay for antagonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 2; Page 34; 45pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-082970/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200187860-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unidentified.
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The invention provides methods of treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma (PpARgamma) activity that involves administering a benzoxazinone compound of a specified formula to the subject. The method is useful for treating and inhibiting in a subject the conset of a condition associated with PpARgamma activity such as a condition of reduced insulin sensitivity, non-insulin dependant diabetes mellitus, obesity, neptropathy, retinopathy, atherosclerosis, polycystic ovary syndrom, hyperension, ischemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. Sequences AAI68004-023 represent oligonucleotide probes specific for ap2 used in ap2 mRNA assay for

Seguence 29 BP; 10 A; 3 C; 6 G; 10 T; 0 U; 0 Other;

antagonists

Use of benzoxazinone derivatives for treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma activity e.g. non-insulin dependant diabetes mellitus and obesity.

Example 7; Page 29; 46pp; English.

Burris TP, Demarest KT, Combs DW, Rybczynski PJ, Turchi IJ;

WPI; 2002-082971/11.

(ORTH) ORTHO-MCNEIL PHARM INC

11-MAY-2001; 2001WO-US015377. 12-MAY-2000; 2000US-0203861P. 11-MAY-2001; 2001US-00854368.

WO200187861-A2

22-NOV-2001

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4.6%; Score 29; DB 1; Length 29;
                                 0; Indels
                                                                                                                                                                                                                                                                            Probe #16, used in aP2 assay for antagonist.
        100.0%; Pred. No.
                                                                208 TGATCACCATTAAATCTGAAAGTACCTTT 236
                                                                                              29 rgarcaccarraaarcreaaagraccrrr 1
                                                                                                                                                                              AAD24703 standard; DNA; 29 BP
                                                                                                                                                                                                                                           12-MAR-2002 (first entry)
                                 29; Conservative
               Local Similarity
                                                                                                                                                                                                             AAD24703;
 Query Match
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                               Matches
                                                                                                                                             RESULT 10
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4.6%; Score 29; DB 1; Length 29; 00.0%; Pred. No. 10;

100.0%; Pred. w...

Query Match Best Local Similarity 100.0° Matches 29; Conservative

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Peroxisome proliferator activated receptor gamma; benzoxazinone; NIDDM; non-lingulin dependant diabetes mellitus; antidiabetic; anorectic; nephrotropic; ophthalmological; antiarteriosclerotic; cytostatic; hyperensive; vasotropic; cerebroprotective; cardiant; antinflammatory; ap2 mRNA specific oligonucleotide probe. AAI68019 standard; DNA; 29 BP PPARgamma; probe; ap2; ss. (first entry) 13-MAR-2002 RESULT 9 AAI68019/c

ö 4h-Benzo(1,4) oxazin-3-one compound; glucose metabolism; lipid metabolism; pepks gamma; perzoxisome proliferator activated receptor; therapy; NIDDM; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; stoke, atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischemia; obestry; heart disease; irritable bowel disorder; cataract; anorectic; nephrotropic; ophthalmological; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory; probe; WO200187862-A2 Unidentified. 22-NOV-2001.

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The patent discloses 4h-Benzo(1,4) oxazin-3-one compounds which are useful as peroxisome proliferator activated receptor (PPAR) gamma agonists and antagonists. The invention also relates to compositions comprising such compounds and methods for treating or inhibiting the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity, such as non-insulin dependent diabetes mellitus polycystic ovary syndrome, hypertension, ischaemia, stroke, heart glassases, irritable bowel disorder, inflammation and cataract. The present DNA sequence is a probe which is designed to anneal to ap2 mRNA and function in the bDNA mRNA detection system. This probe is used in ap2 assay for antagonist in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Benzoxazinone derivative; glucose metabolism; lipid metabolism; NIDDM; PPAR gamma; peroxisome proliferator activated receptor gamma; therapy; non-insulin dependent diabetes mellitus; nephropathy; neuropathy; PCOS; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease; irritable bowel disorder; stroke; reduced insulin sensitivity; inflammation; cataract; aP2 mRNA; probe; ss.
                                                                                                                                                                                          Use of 4h-benzo(1,4)oxazin-3-one derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism e.g. non-insulin dependant diabetes mellitus and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     4.6%; Score 29; DB 1; Length 29; 00.0%; Pred. No. 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 29 BP; 10 A; 3 C; 6 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match

4.6%; Score 29; UD
Best Local Similarity 100.0%; Pred. No. 10;
Matches 29; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Probe #15 used in aP2 assay for antagonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       208 IGATCACCATTAAATCTGAAAGTACCTTT 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rybczynski PJ;
                                                                                                                                                                                                                                                              Example 38; Page 58; 76pp; English.
                                                                                    (ORTH ) ORTHO-MCNEIL PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ORTH ) ORTHO-MCNEIL PHARM INC.
   11-MAY-2001; 2001WO-US015383.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAD25478 standard; DNA; 26 BP
                                 12-MAY-2000; 2000US-0203860P.
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11-MAY-2001; 2001US-00853798.
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                                                                                                                                                         WPI; 2002-055671/07.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unidentified
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                                                                                                                         Burris TP,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 11
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                              Use of benzoxazinone derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism such as non-insulin dependant diabetes mellitus or obesity.
                                                                                                                         The invention relates to benzoxazinone derivatives useful as peroxisome proliferator activated receptor (PPAR) gamma modulators. The invention also relates to pharmaceutical compositions comprising benzoxazinone derivatives and methods for treating the onset of a disorder in glucose sensitivity entered as non-insulin dependant diabetes mellitus (NIDDM), obesity, nephropathy, neuropathy, retinopathy, atheroscierosis, polycystic ovary syndrome (PCOS), hypertension, ischaemia, stroke, heart present sequence is a probe designed to anneal to the app mRNA and function in the bDNA mRNA detection system. This probe used in the app invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Peroxisome proliferator activated receptor gamma; benzoxazinone; NIDDM; non-insulin dependant diabetes mellitus; antidiabetic; anorectic; nephrotropic; ophthalmological; antiarteriosclerotic; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                 4.1%; Score 26; DB 1; Length 26; 100.0%; Pred. No. 14; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                 Sequence 26 BP; 8 A; 4 C; 5 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ap2 mRNA specific oligonucleotide probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90 AAACTIGICICCAGIGAAACTIIGA 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26 AAACTTGTCTCCAGTGAAACTTTGA 1
                                                                                                 Example 2; Page 34; 45pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AA168018 standard; DNA; 26 BP
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11-MAY-2001; 2001US-00854368.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PPARgamma; probe; ap2; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 100.
nes 26; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Demarest KT,
WPI; 2002-082970/11
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AAI68018/c
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Gaps

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The invention provides methods of treating a subject suffering from a

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condition associated with peroxisome proliferator activated receptor agamma (PpARgamma) activity that involves administering a benzoxazinone compound of a specified formula to the subject. The method is useful for treating and inhibiting in a subject the onset of a condition associated with PpARgamma activity such as a condition of reduced insulin sensitivity, non-insulin dependant diabetes mellitus, obesity, nephropathy, retinopathy, atherosclerosis, polycystic ovary syndrom, hyperension, ischemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. Sequences AA168004-023 represent oligonucleotide probes specific for ap2 used in ap2 mRNA assay for
                                                                                                                                                                                                                                                                                                       antagonists
      8866666666666688
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Sequence 26 BP; 8 A; 4 C; 5 G; 9 T; 0 U; 0 Other;

0; Gaps Score 26; DB 1; Length 26; Pred. No. 14; 0; Indels 4.1%; Scor. 100.0%; Pred. No. 2... 0; Mismatches Query Match Best Local Similarity 100.09 Matches 26; Conservative

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AAD24702 standard; DNA; 26 BP AAD24702; RESULT 13

(first entry) 12-MAR-2002 Probe #15, used in aP2 assay for antagonist.

4h-Benzo(1,4)oxazin-3-one compound; glucose metabolism; lipid metabolism; phyR gamma; perzoxisome proliferator activated receptor; therapy; NIDDM; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; stroke; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; alsofaemia, obesitry; heart disease; limitable bowel disorder; cataract; anorectic; nephrotropic; opthalmological; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory; probe; aP2 mRNA; ss. AAD24702/C
AAD24702/C
AAC
AAD24702/C
AAC
AAD24702/C
AAC
AAD24702/C

Unidentified.

WO200187862-A2

22-NOV-2001

11-MAY-2001; 2001WO-US015383.

11-MAY-2001; 2001US-00854302. 12-MAY-2000; 2000US-0203860P.

(ORTH) ORTHO-MCNEIL PHARM INC.

Burris TP, Combs DW, Rybczynski PJ;

WPI; 2002-055671/07.

Use of 4h-benzo(1,4)oxazin-3-one derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism e.g. non-insulin dependant diabetes mellitus and obesity.

Example 38; Page 58; 76pp; English.

The patent discloses 4h-Benzo(1,4) oxazin-3-one compounds which are useful as peroxisome proliferator activated receptor (PPAR) gamma agonists and antagonists. The invention also relates to compositions comprising such compounds and methods for treating or inhibiting the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity, such as non-insulin dependent diabetes mellitus (NIDDM), obesity, atherosclessis, nephropathy, neuropathy, retinopathy, polycystic ovary syndrome, hypertension, ischaemia, stroke, heart

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in aP2
diseases, irritable bowel disorder, inflammation and cataract. The present Thys sequence is a probe which is designed to anneal to aP2 and function in the bDMA mRNA detection system. This probe is used assay for antagonist in the exemplification of the invention
        8X33333
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Seguence 26 BP; 8 A; 4 C; 5 G; 9 T; 0 U; 0 Other;

ô 4.1%; Score 26; DB 1; Length 26; 0; Indels 100.0%; Prec. l Similarity 100. 26; Conservative Query Match Best Local

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ACC44484/c RESULT 14

ВР ACC44484 standard; DNA; 26

ACC44484;

(first entry) 29-AUG-2003

Primer aP2 antisense for RNA analysis in activated preadipocyte cells.

Primer, human, telomerase reverse transcriptase, adipogenic capacity, primary preadipocyte cell, adipogenesis, obesity, adipocytokine, ss, PCR, anorectic, adiponectin, insulin.

Homo sapiens.

WO2003031640-A2.

17-APR-2003.

07-OCT-2002; 2002WO-US031635.

06-OCT-2001; 2001US-0327650P. 06-OCT-2001; 2001US-0327651P.

(BOST-) BOSTON MEDICAL CENT CORP.

Kirkland J, Tchkonia T;

WPI; 2003-421278/39.

New primary preadipocyte strain expressing telomerase reverse transcriptase, useful in research applications, screening assays, clinical applications, and in the administration of therapeutic agents, particularly for obesity.

Disclosure; Page 21; 53pp; English.

The invention relates to the generation of primary preadipocyte cell strains that express telomerase reverse transcriptase (TERT- the catalytic subunit of telomerase), and maintain and/or enhance replicative potential and maintain adipogenic capacity of the cell. In order to potential and maintain adipogenic capacity of the cell. In order to of genes mere carried out to detect cell proliferation. This sequence represents a primer used to detect cell proliferation. This sequence cell strain can be used in research to study all aspect of adipogenesis, especially in relation to research to study all aspect of adipogenesis, cell can also be used to identify adipogenesis modulators for use as therapeutic agents such as hormones, growth factors, cytokines, enzymes, cholesterol binding proteins, cholesterol removing proteins or their combinations. Alternatively, the therapeutic agent may be an adipocytokine, preferably adiponectin, or insulin

Sequence 26 BP; 9 A; 3 C; 7 G; 7 T; 0 U; 0 Other;

4.1%; Score 26; DB 1; Length 26; 100.0%; Pred. No. 14; Best Local Similarity Query Match

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.53

1 ATGTGTGATGCCTTTGTGGGAACCTGGAA 29

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Gaps

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The invention relates to a method for inducing differentiation of multipotent mesenchymal stem cells into adipocytes by culturing the cells in the presence of prolactin or a substance with equivalent activity, such as methylisobutylxanthine, dexamethasone or insulin. The invention also encompasses a method for screening substances for their ability to promote or inhibit the differentiation of stem cells into adipocytes in the presence of prolactin or substances with equivalent activity, and the compounds identified using this method. Prolactin (or substances with equivalent activity) induce the differentiation of stem cells into adipocytes by inducing expression of the C/EBP-bet and pPAR-damma genes. The methods may be used for the identification of substances which adipocyte differentiation. These have potential for use in the treatment and prevention of diseases with which this differentiation is associated, such as non insulin-dependent (type II) diabetes and obesity. The exemplifications of the invention, expression of the C/EBP-alpha, C/EBP-beta, C/EBP-damma, C/EBP-deta, ap2 and GDP (glycerol-3-phosphate dehydrogenase) genes were examined in murine multipotent mesenchymal stem cells cultured according to the method of the invention. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Differentiation of stem cells into adipocytes by contact with prolactin or equivalent as a system for screening compounds for their effect on adipocyte differentiation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aP2; mouse; murine; prolactin induced adipocyte differentiation; multipotent mesenchymal stem cell; differentiation regulator; non insulin dependent diabetes; type II diabetes; obesity;
               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 30 BP; 6 A; 4 C; 11 G; 9 T; 0 U; 0 Other;
       0; Mismatches
                                                                         490 TCGCATTGAACTCTACAACATTCTGT 515
                                                                                                                       26 TCGCATTGAACTCTACAACATTCTGT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example, Page 19, 50pp, Japanese.
                                                                                                                                                                                                                                                                                                                           AAA72371 standard; DNA; 30 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse aP2 hybridisation probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          02-FEB-2000; 2000WO-JP000567.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       99JP-00024625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hybridisation probe; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (HELI-) HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-543482/49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (WAKA/) WAKAO H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200046348-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   02-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-DEC-2000
   26;
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                                                                                                                                                                                                                                                                                                                                                                                                     AAA72371;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mus sp.
                                                                                                                                                                                                                                              AAA72371
ID AAA72371
XX
AAA72371
XX
AAA72371
XX
AAA72371
DT 19-DE(
XX
AUBUST
XX
MULCIS
XX
MULCIS
XX
MULCIS
XX
MUS 91
Matches
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Benzoxazinone derivative; glucose metabolism; lipid metabolism; NIDDM; PPAR gamma; peroxisome proliferator activated receptor gamma; therapy; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; PCOS; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease; irritable bowel disorder; stroke; reduced insulin sensitivity; inflammation; cataract; aP2 mRNA; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                obesity, nephropathy, neuropathy, retinopathy, atherosclerosis, polycystic ovary syndrome (PCOS), hypertension, ischaemia, stroke, heart diseases, irritable bowel diseased, inflammation and cataract. The present sequence is a probe designed to anneal to the aP2 mRNA and function in the bDNA mRNA detection system. This probe used in the aP2 assay for antagonist which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to benzoxazinone derivatives useful as peroxisome proliferator activated receptor (PPAR) gamma modulators. The invention also relates to pharmaceutical compositions comprising benzoxazinone derivatives and methods for treating the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity such as non-insulin dependant diabetes mellitus (NIDDM),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of benzoxazinone derivatives for treating a subject suffering from disorder in glucose and lipid metabolism such as non-insulin dependant diabetes mellitus or obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 24 BP; 3 A; 6 C; 5 G; 10 T; 0 U; 0 Other;
                                                                                                                                                       Probe #19 used in aP2 assay for antagonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 34; 45pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ORIH ) ORTHO-MCNEIL PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-MAY-2000; 2000US-0203859P.
11-MAY-2001; 2001US-00853798.
                                                                                                                                                                                                                                                                                                                                                                                                                                           11-MAY-2001; 2001WO-US015320.
                                          AAD25482 standard; DNA; 24
                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rybczynski PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-082970/11.
                                                                                                                                                                                                                                                                                                                                                                  WO200187860-A2.
                                                                                                                  26-MAR-2002
                                                                                                                                                                                                                                                                                                                            Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                      22-NOV-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Burris TP,
                                                                            AAD25482;
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AAI68022 standard; DNA; 24 BP. RESULT 17
AAI68022/c
ID AAI68
XX
AC AAI68

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Gaps

. 0

3; Indels

DB 1; Length 30;

3.8%; Score 24.2; D 89.7%; Pred. No. 20; ive 0; Mismatches

26; Conservative

Local Similarity

Best Loca Matches

Query Match

AAI68022;

. 0

Gaps .. 0

Indels

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Mismatches

ઠે g

3.8%; Score 24; DB 1; Length 24; 100.0%; Pred. No. 17;

Query Match 3.8%; Scc Best Local Similarity 100.0%; Pr Matches 24; Conservative 0;

63 ATGTGTGATGCTTTTGTAGGTACCTGGAA 91

anorectic; nephrotropic; ophthalmological; cytostatic; hypotensive; cerebroprotective; cardiant; antiinflammatory; probe;

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The invention provides methods of treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma (PPARgamma) activity that involves administering a benzoxazinone compound of a specified formula to the subject. The method is useful frienting and inhibiting in a subject the onset of a condition associated with PPARgamma activity such as a condition of reduced insulin sensitivity, non-insulin dependant diabetes mellitus, obesity, nephropathy, retinopathy, atherosclerosis, polycystic ovary syndrom, bypertension, ischemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. Sequences AA168004-023 represent oligonucleotide probes specific for ap2 used in ap2 mRNA assay for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of benzoxazínone derivatives for treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma activity e.g. non-insulin dependant diabetes mellitus and obesity.
                                                                                         Peroxisome proliferator activated receptor gamma; benzoxazinone; NIDDM, non-insulin dependant diabetes mallitus; antidiabetic; anorectic; nephrotropic; ophthalmological; antiarteriosclerotic; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Combs DW, Rybczynski PJ, Turchi IJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3.8%; Score 24; DB 1; Length 24; 00.0%; Pred. No. 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24 BP; 3 A; 6 C; 5 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Pred. w...
                                                     ap2 mRNA specific oligonucleotide probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 7; Page 29; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                  (ORTH ) ORTHO-MCNEIL PHARM INC.
                                                                                                                                                                                                                                                                                                                                11-MAY-2001; 2001WO-US015377.
                                                                                                                                                                                                                                                                                                                                                                                              11-MAY-2001; 2001US-00854368.
                                                                                                                                                                                                                                                                                                                                                                        12-MAY-2000; 2000US-0203861P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Suery Match
Best Local Similarity 100.0%
Matches 24; Conservative
                                                                                                                                                                         PPARgamma; probe; ap2; ss.
              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Burris TP, Demarest KT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-082971/11.
                                                                                                                                                                                                                                                    WO200187861-A2.
                                                                                                                                                                                                                                                                                            22-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antagonists
                                                                                                                                                                                                                Synthetic.
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The patent discloses 4h-Benzo(1,4)oxazin-3-one compounds which are useful as peroxisome proliferator activated receptor (PPAR) gamma agonists and antagonists. The invention also relates to compositions comprising such compounds and methods for treating or inhibiting the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity, such as non-insulin dependent diabetes mellitus followly, obesity, atheroselersis, nephropathy, neuropathy, retinopathy, polycystic ovary syndrome, hypertension, ischemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. The present DNA sequence is a probe which is designed to anneal to ap2 mRNA and function in the bDNA mRNA detection system. This probe is used in ap2 assay for antagonist in the exemplification of the invention

Sequence 24 BP; 3 A; 6 C; 5 G; 10 T; 0 U; 0 Other;

Query Match

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0; Indels

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44-Benzo(1,4)oxazin-3-one compound; glucose metabolism; lipid metabolism; PPAR gamma; peroxisome proliferator activated receptor; therapy; NIDDM; non-insulin dependent diabetes mellitus; nephropathy; neuropathy; stroke; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease; irritable bowel disorder; cataract;

Probe #19, used in aP2 assay for antagonist.

(first entry)

12-MAR-2002

AAD24706;

AAD24706 standard; DNA; 24 BP

RESULT 18

Use of 4h-benzo(1,4) oxazin-3-one derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism e.g. non-insulin dependant diabetes mellitus and obesity.

Example 38; Page 58; 76pp; English.

Burris TP, Combs DW, Rybczynski PJ;

WPI; 2002-055671/07.

(ORTH) ORTHO-MCNEIL PHARM INC

11-MAY-2001; 2001WO-US015383. 12-MAY-2000; 2000US-0203860P. 11-MAY-2001; 2001US-00854302.

WO200187862-A2.

22-NOV-2001.

aP2 mRNA; ss. Unidentified.

vasotropic;

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Benzoxazinone derivative; glucose metabolism; lipid metabolism; NIDDM; PPAR gamma; peroxisome proliferator activated receptor gamma; therapy; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; PCOS; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity, heart disease; irritable bowel disorder; stroke; reduced insulin sensitivity; inflammation; cataract; aP2 mRNA; probe; ss.
                                       Gaps
                                       .
0
y Match 3.8%; Score 24; DB 1; Length 24; Local Similarity 100.0%; Pred. No. 17; nes 24; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                  Probe #18 used in aP2 assay for antagonist.
                                                                           293 TGACAGGAAAGTCAAGAGCACCAT 316
                                                                                                             24 rGACAGGAAAGTCAAGAGCACCAT 1
                                                                                                                                                                                                        AAD25481 standard; DNA; 23 BP
                                                                                                                                                                                                                                                                                26-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200187860-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unidentified
                                                                                                                                                                                                                                            AAD25481;
                                       Matches
                                                                                                                                                                  RESULT 19
                                                                                                                                                                                        AAD25481,
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Use of benzoxazinone derivatives for treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma activity e.g. non-insulin dependant diabetes mellitus and obesity.

WPI; 2002-082971/11.

Example 7; Page 29; 46pp; English

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Peroxisome proliferator activated receptor gamma; benzoxazinone; NIDDM; non-insulin dependant diabetes mellitus; antidiabetic; anorectic; nephrotropic; ophthalmological; antiarteriosclerotic; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory; PPARgamma; probe; ap2; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                        ap2 mRNA specific oligonucleotide probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ORTH ) ORTHO-MCNEIL PHARM INC
                        12-MAY-2000; 2000US-0203859P,
11-MAY-2001; 2001US-00853798
        11-MAY-2001; 2001WO-US015320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAY-2001; 2001WO-US015377.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-MAY-2000; 2000US-0203861P.
11-MAY-2001; 2001US-00854368.
                                                                                                                                                                                                                                                                                                                                                                        AAI68021 standard; DNA; 23
                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Demarest KT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200187861-A2.
                                                                Burris TP,
                                                                                                                                                                                                                                                                                                                                                                                                         13-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Burris TP,
                                                                                                                                                                                                                                                 invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                         RESULT 20
AAI68021/c
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BP.

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The invention provides methods of treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma (PPARgamma) activity that involves administering a benzoxazinone compound of a specified formula to the subject. The method is useful for treating and inhibiting in a subject the onset of a condition associated with PPARgamma activity such as a condition of reduced insulin sensitivity, non-insulin dependant diabetes mellitus, obesity, syndrome, hypertension, ischemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. Sequences AA168004-023 represent orlinging and in ap2 mRNA assay for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0
Watches 23; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to benzoxazinone derivatives useful as peroxisome proliferator activated receptor (PPAR) gamma modulators. The invention dero relates to pharmaceutical compositions comprising benzoxazinone derivatives and methods for treating the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity such as non-insulin dependant diabetes mellitus (NIDDM), polycystic ovary syndrome (PCOS), hypertension, ischaemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. The present sequence is a probe designed to anneal to the ap2 mRNA and function in the bDNA mRNA detection system. This probe used in the aps assay for antagonist which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                              Use of benzoxazinone derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism such as non-insulin dependant diabetes mellitus or obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 23 BP; 5 A; 6 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     23 GAATTTGACGAAGTCACTGCAGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                         Example 2; Page 34; 45pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 270 GAATTTGACGAAGTCACTGCAGA
                                                                                                                                                 (ORTH ) ORTHO-MCNEIL PHARM INC.
                                                                                                                                                                                                        Rybczynski PJ;
                                                                                                                                                                                                                                                            WPI; 2002-082970/11.
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Gaps

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Indels

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100.0%; Pred. No. 19; tive 0; Mismatches

270 GAATITGACGAAGTCACTGCAGA 292

23 GAATTTGACGAAGTCACTGCAGA 1

3.6%; Score 23; DB 1; Length 23;

Sequence 23 BP; 5 A; 6 C; 4 G; 8 T; 0 U; 0 Other;

antagonists

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4h-Benzo(1,4)oxazin-3-one compound; glucose metabolism; lipid metabolism; PPAR gamma; peroxisome proliferator activated receptor; therapy; NIDDM; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; stroke; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease; irritable bowel disorder; cataract; vanorectic; nephrotropic; ophthalmological; cytostatic; hypotensive; vasouropic; cerebroprotective; cardiant; antiinflammatory; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Use of 4h-benzo(1,4) oxazin-3-one derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism e.g. non-insulin dependant diabetes mellitus and obesity.
                                                                                                                    Probe #18, used in aP2 assay for antagonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ε,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rybczynski
                               BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ORTH ) ORTHO-MCNEIL PHARM INC
                                                                                                                                                                                                                                                                                                                                                                           11-MAY-2001; 2001WO-US015383.
                                                                                                                                                                                                                                                                                                                                                                                                        12-MAY-2000; 2000US-0203860P.
11-MAY-2001; 2001US-00854302.
                              AAD24705 standard; DNA; 23
                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Combs DW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-055671/07.
                                                                                                                                                                                                                                                                                                               WO200187862-A2.
                                                                                                                                                                                                                                                                                      Unidentified.
                                                                                         12-MAR-2002
                                                                                                                                                                                                                                                                                                                                               22-NOV-2001
                                                          AAD24705;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Burris
RESULT 21
AAD24705/c
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Combs DW, Rybczynski PJ, Turchi IJ;

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The patent discloses 4h-Benzo(1,4) oxazin-3-one compounds which are useful ans peroxisome proliferator activated receptor (PPAR) gamma agonists and antagonists. The invention also relates to compositions comprising such compounds and methods for treating or inhibiting the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity, such as non-insulin dependent diabetes mellitus polycystic ovary syndrome, hypertension, ischaemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. The present DNA sequence is a probe which is designed to anneal to ap2 mRNA and function in the DNNA mRNA derection system. This probe is used in ap2 assay for antagonist in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 23 BP; 5 A; 6 C; 4 G; 8 T; 0 U; 0 Other;
Example 38; Page 58; 76pp; English
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8 X C C C C C C C C C X S

3.6%; Score 23; DB 1; Length 23; 00.0%; Pred. No. 19; 100.0%; Pred. NO. ... 270 GAATTTGACGAAGTCACTGCAGA 292 Matches 23; Conservative Best Local Similarity Query Match ઠે

23 GAATTTGACGAAGTCACTGCAGA 1

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Gaps . 0

0; Indels

AAI66788 standard; DNA; 20 07-JAN-2002 (first entry) RESULT 22 AAI66788

Adipocyte; hedgehog polypeptide; desert hedgehog; indian hedgehog; Dhh; Ihh; sonic hedgehog; Shh; therapeutic; cytostatic; primer; RT-PCR; ss. aP2 mRNA amplifying RT-PCR primer F. 28-FEB-2001; 2001WO-US006450. 29-FEB-2000; 2000US-0186058P WO200164238-A2. Synthetic.

Burtscher H; Zehentner B, Leser-Reiff U, WPI; 2001-607352/69.

(CURI-) CURIS INC.

Example; Page 77; 132pp; English.

or ptc therapeutic.

Method for regulating formation and/or maintenance of adipocyte tissue by contacting pre-adipocyte or adipocyte cells with a hedgehog polypeptide

The invention provides a method for regulating formation and/or maintenance of adipocyte tissue that comprises contacting pre adipocyte a adipocyte tissue that comprises contacting pre adipocyte or adipocyte calls with a hedgehog polypeptide or ptc therapeutic. The method is used for regulating the growth state of an adipocyte stem/progenitor cell, and treating or preventing disorders of, or surgical or cosmetic repair of, adipocyte tissues, e.g. for treating or preventing hyperplastic or neoplastic conditions affecting adipocyte tissue, such as soft tissue tumors, especially adipose cell tumors, e.g. lipomas, fibrolipomas, lipohlastomas, lipomatosis, hibernomas, hemangiomas and/or liposarcomas. Hedgehog polypeptides can be used in combination with other therapeutic agents. Sequences Ali66784-793 represent primers used in quantitative RT-PCR of PPARgamma, aP2, gli, ptc and actin mRNAs, during

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                                                                                  Query Match 3.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 25; Matches 20; Conservative 0; Mismatches 0; Indels
                                          Sequence 20 BP; 3 A; 1 C; 7 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                63 ATGIGIGATGCTTTTGTAGG 82
                                                                                                                                                                                                                           1 Argrerdargerrirgrage 20
                                                                                                                                                                                                                                                                                                                                           ABK87128 standard; DNA; 20 BP.
the courrse of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                       07-CCT-2002
                                                                                                                                                                                                                                                                                                                                                                                          ABK87128;
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Human, endothelial cell-specific molecule 4, ECSM4, necvasculature, imaging vascular endothelium, proliferative disease, cancer, psoriasis, diabetic retinopathy, atherosclerosis, menorrhagia, endothelial damage, tumour necvasculature, cardiac disease, endometriosis, hypoxic condition, anglogenesis, cytostatic, RT-PCR, fatty acid binding protein 4, reverse transcription-PCR, primer, ss.

Human fatty acid binding protein 4, RT-PCR primer #2.

Homo sapiens.

06-NOV-2001; 2001WO-GB004906. 10-MAY-2002.

06-NOV-2000; 2000US-0245566P. 07-MAR-2001; 2001US-0273662P.

(IMCR) IMPERIAL CANCER RES TECHNOLOGY LTD.

Huminiecki L; Bicknell R,

WPI; 2002-508120/54.

Novel endothelial cell-specific molecule polypeptide 1 or 4, useful for imaging, diagnosing and treating a condition involving vascular endothelium e.g. cancer, cardiac disease, endometriosis, diabetes.

Example 1; Page 165; 248pp; English.

The present invention relates to endothelial cell-specific molecule 4 (ECSM4), and the polymucleotide sequences encoding it. The ECSM4 proteins are useful for imaging vascular endothelium in the body of an individual, and for diagnosing and treating a proliferative disease or condition involving the vascular endothelium (preferably, neovasculature) such as cancer, psoriasis, diabetic retinopathy, atherosclerosis or menorrhagia. The ECSM4 proteins are also useful in the manufacture of diagnostic or prognostic agent for such conditions. The proteins are also useful for ectecting endothelial danage or activation, detecting a tumour or tumour neovasculature, cardiac disease, or endometriosis by detecting the amount of ECSM4 present in a sample. The polymucleotide sequences encoding ECSM4 are useful in gene therapy for treating a hypoxic condition such as cancer, cardiac disease, endometriosis or atherosclerosis and in the manufacture of medicaments for treating a hypoxic condition such as a useful for modulating angiogenesis in an individual. The present sequence represents a RT-PCR primer for RNA encoding human fatty acid binding protein 4

Sequence 20 BP; 5 A; 9 C; 1 G; 5 T; 0 U; 0 Other;

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                             Gaps
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0
  Length 20;
                            0; Indels
 3.2%; Score 20; DB 1;
100.0%; Pred. No. 25;
tive 0; Mismatches
             Similarity 100.
20; Conservative
Query Match
Best Local S
Matches 20
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RESULT 24

ABK87127 standard; DNA; 20

ABK87127;

07-OCT-2002 (first entry)

Human fatty acid binding protein 4, RT-PCR primer #1.

imaging vascular endothellum, proliferative disease, cancer psoriasis, diabetic retinopathy, atherosclerosis, menorrhagia, endothelial damage, tumour neovasculature, cardiac disease, endometriosis, hypoxic condition, angiogenesis, cytostatic, RT-PCR, fatty acid binding protein 4; endothelial cell-specific molecule 4; ECSM4; neovasculature; reverse transcription-PCR; primer; ss. Human;

Homo sapiens

WO200236771-A2.

06-NOV-2001; 2001WO-GB004906

06-NOV-2000; 2000US-0245566P.

(IMCR) IMPERIAL CANCER RES TECHNOLOGY LID.

Bicknell R, Huminiecki

WPI; 2002-508120/54

Novel endothelial cell-specific molecule polypeptide 1 or 4, useful for imaging, diagnosing and treating a condition involving vascular endothelium e.g. cancer, cardiac disease, endometriosis, diabetes.

Example 1; Page 165; 248pp; English

The present invention relates to endothelial cell-specific molecule 4

(ECSM4), and the polymucleotide sequences encoding it. The ECSM4 proteins
are useful for imaging vascular endothelium in the body of an individual,
and for diagnosing and treating a proliferative disease or condition
involving the vascular endothelium (preferably, neovasculature) such as
cancer, psoriasis, diabetic retinopathy, atherosclerosis or menorrhagia.
The ECSM4 proteins are also useful in the manufacture of diagnostic or
prognostic agent for such conditions. The proteins are also useful for
detecting endothelial damage or activation, detecting a tumour or tumour
cheovasculature, cardiac disease, or endometriosis by detecting the amount
of ECSM4 present in a sample. The polymucleotide sequences encoding ECSM4
are useful in gene therapy for treating a hypoxic condition such as
cancer, cardiac disease, endometriosis by energian in the
manufacture of medicaments for treating the above disease. The sequences
are useful for modulating angiogenesis in an individual. The present
engine control of the binding protein 4

Sequence 20 BP; 2 A; 8 C; 2 G; 8 T; 0 U; 0 Other;

3.2%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 25; tive 0; Mismatches 0; Indels 0; Indels Query Match Best Local Similarity 100.0 Matches 20; Conservative

Pre-adipose cell line; white adipocyte; food ingredient; obesity; lipid; diabetes; cardiovascular disease; fatty acid binding protein; aFABP; PCR primer; ss. New human pre-adipose cell line capable of differentiating to adipose cells, useful in developing drug, food ingredients, and supplements against obesity, diabetes and cardiovascular diseases. aFABP cDNA amplifying forward PCR primer. Example 5; Page 11; 30pp; English. 92 Pfeifer A; 16 TGCAGCTTCCTTCTCACCTT 1 IGCAGCTICCTICTCACCTI AAD29732 standard; DNA; 20 BP. 13-JUL-2001; 2001WO-EP008165. 18-JUL-2000; 2000EP-00115489. (NEST) SOC PROD NESTLE SA. 17-MAY-2002 (first entry) Mace K, WPI; 2002-188539/24. WO200206450-A1. Unidentified. Darimont C, 24-JAN-2002 AAD29732; RESULT 25 4AD2973 ò

The present invention relates to new human pre-adipose cell lines capable to differentiate to white adipose cells, exhibiting essentially the same cellular properties of normal white adipose cells. The human pre-adipose cells innes are useful for the identification of substances controlling the regulation of lipid uptake and release by human white adipocytes, and adipocytes. They are useful for screening compounds capable to regulate adipocytes. They are useful for screening compounds capable to regulate bequences of the invention are useful for developing drugs, food ingredients and supplements adalant observed, diabetes and cardiovascular diseases. The present DNA sequence is a PCR primer which is used for amplifying fatty acid binding protein (aFABP) encoding cDNA. This primer is used in the exemplification of the invention for the expression of adipocytes in differentiated immortalised human preadipose cells Sequence 20 BP; 4 A; 5 C; 5 G; 6 T; 0 U; 0 Other;

ch 3.2%; Score 20; DB 1; Length 20; 1 Similarity 100.0%; Pred. No. 25; 20; Conservative 0; Mismatches 0; Indels 81 GGTACCTGGAAACTTGTCTC 100 Best Local Similarity Matches 20; Conserv Query Match à

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BP. AAD29733 standard; DNA; 20 RESULT 26 AAD29733, SAXH

AAD29733;

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Gaps

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The invention relates to adipose-derived stem cells (ADSC) and lattices which are useful for generating differentiated tissues and structures both in vivo and in vitro, for producing molecules such as hormones and for providing a conditioned culture media for supporting the growth and expansion of other cell populations. Lattices are useful as substrates for facilitating the growth and differentiation of cells into mature tissues or structures. The invention is useful for delivering a transgene therapy. The present sequence is reverse transcription PCR (RT-PCR) primer used to amplify human aP2 gene. This sequence is used in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Method for regulating formation and/or maintenance of adipocyte tissue by
                                                                                                                                                                                                                                                           New isolated adipose-derived stem cell, useful for generating differentiated tissues and structures both in vivo and in vitro or providing conditioned culture media to support the growth and expansion of other cell populations.
                                                                                                                                                         Futrell JW, Benhaim P, Lorenz HP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Adipocyte; hedgehog polypeptide; desert hedgehog; indian hedgehog; Ihh; sonic hedgehog; Shh; therapeutic; cytostatic; primer; RT-PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3.2%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 25;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                        Example 11; Page 234; 241pp; English.
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                                   31-JUL-2002; 2002WO-US024374.
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                                                                                2001US-00952522
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                                                                                                                     (REGC ) UNIV CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-607352/69
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es 20; Conserv
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                                                                                10-SEP-2001;
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20-MAR-2003
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to new human pre-adipose cell lines capable to differentiate to white adipose cells, exhibiting essentially the same cellular properties of normal white adipose cells. The human pre-adipose cells innes are useful for the identification of substances controlling the regulation of lipid uptake and release by human white adipocytes, and substances controlling the differentiation of preadipocytes into mature adipocytes. They are useful for screening compounds capable to regulate the secretion of any metabolites or hormones from human white adipocytes. Sequences of the invention are useful for developing drugs, food ingredients and supplements against obesity, diabetes and cardio-vascular diseases. The present DNA sequence is a PCR primer which is used in a useful binding protein (aFABP) enceding cDNA. This primer is used in the exemplification of the invention for the expression of adipocytes in differentiated immortalised human preadipose cells
                                                                       Pre-adipose cell line; white adipocyte; food ingredient; obesity; lipid; diabetes; cardiovascular disease; fatty acid binding protein; aPABP; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Adipose-derived stem cell; ADSC; transgene; cell therapy; gene therapy; primer; reverse transcription; RT; PCR; aP2; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New human pre-adipose cell line capable of differentiating to adipose cells, useful in developing drug, food ingredients, and supplements against obesity, diabetes and cardiovascular diseases.
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Pred. No. 25;
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                                                aFABP cDNA amplifying reverse PCR primer.
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100.0%;
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      (first entry)
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                           Mace K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-188539/24
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                                                                                                                                                                        Unidentified.
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      17-MAY-2002
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RESULT 27 AAD55891,

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Example;
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The invention provides a method for regulating formation and/or maintenance of adipocyte tissue that comprises contacting pre adipocyte or adipocyte cells with a hedgeho polypeptide or ptc therapeutic. The method is used for regulating the growth state of an adipocyte stem/progenitor cell, and treating or preventing disorders of, or surgical or cosmetic repair of, adipocyte tissues, e.g. for treating or preventing hyperplastic or neoplastic conditions affecting adipocyte tissue, such as soft tissue tumors, especially adipose cell tumors, e.g. lipomas, sich tissue, such as fibrolipomas, lipomatosis, hibernomas, hemangiomas and/or liposarcomas. Hedgehog polypeptides can be used in combination with other quantitative RT-PCR of PPRRgamma, aP2, gli, ptc and actin mRNAs, during the courrse of the invention
contacting pre-adipocyte or adipocyte cells with a hedgehog polypeptide or ptc therapeutic.
                                                                                                                                                                                            77; 132pp; English
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3.0%; Score 19; DB 1; Length 19; Sequence 19 BP; 2 A; 7 C; 1 G; 9 T; 0 U; 0 Other; 100.0%; Pred. No. 27; ive 0; Mismatches Query Match 3.0° Best Local Similarity 100. Matches 19, Conservative

AAD25483 standard; DNA; 19

AAD25483

(first entry) 26-MAR-2002

Probe #20 used in aP2 assay for antagonist.

Benzoxazinone derivative, glucose metabolism, lipid metabolism, NIDDM, PPAR gamma; peroxisome proliferator activated receptor gamma; therapy; non-lisulin dependant diabetes mellitus; nephropathy, neuropathy; PCOS; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obesity; heart disease, irritable bowel disorder; stroke; reduced insulin sensitivity; inflammation; cataract; aP2 mRNA; probe; ss. AAD25483/C
XX
AC
AAD2541
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AC
AAD2541
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DY
XX
DY
XX
DY
BENZOX
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ATHERO
XX
UNIGEN
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UNIGEN
XX
PR
11-MAN
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11-MAN
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Unidentified

WO200187860-A2.

22-NOV-2001

11-MAY-2001; 2001WO-US015320.

11-MAY-2001; 2001US-00853798. 12-MAY-2000; 2000US-0203859P

(ORTH) ORTHO-MCNEIL PHARM INC.

Rybczynski PJ; Burris TP,

WPI; 2002-082970/11.

Use of benzoxazinone derivatives for treating a subject suffering from a disorder in glucose and lipid metabolism such as non-insulin dependant diabetes mellitus or obesity.

Example 2; Page 34; 45pp; English.

The invention relates to benzoxazinone derivatives useful as peroxisome proliferator activated receptor (PPAR) gamma modulators. The invention also relates to pharmaceutical compositions comprising benzoxazinone

obesity, nephropathy, neuropathy, retinopathy, atheroscierosis, polycystic ovary syndrome (PCOS), hypertension, ischaemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. The present sequence is a probe designed to anneal to the aPP mRNA and function in the bDNA mRNA detection system. This probe used in the aPP assay for antagonist which is used in the exemplification of the derivatives and methods for treating the onset of a disorder in glucose and lipid metabolism, preferably a condition of reduced insulin sensitivity such as non-insulin dependant diabetes mellitus (NIDDM), invention

Sequence 19 BP; 5 A; 5 C; 4 G; 5 T; 0 U; 0 Other;

Gaps ö Score 19; DB 1; Length 19; Pred. No. 27; 0; Indels 3.0%; Scc. 100.0%; Pred. No. ... Conservative Query Match Best Local Similarity Matches 19; Conserv

0

ò g AAI68023 standard; DNA; 19

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Gaps .; 0

Indels

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AA168023;

13-MAR-2002 (first entry)

ap2 mRNA specific oligonuclectide probe.

Peroxisome proliferator activated receptor gamma; benzoxazinone; NIDDM; non-insulin dependant diabetes mellitus; antidiabetic; anorecit; nephrotropic; ophthalmological; antiarteriosclerotic; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory; PPARgamma; probe; ap2; ss.

Synthetic.

WO200187861-AZ,

22-NOV-2001

11-MAY-2001; 2001WO-US015377.

12-MAY-2000; 2000US-0203861P. 11-MAY-2001; 2001US-00854368.

(ORTH) ORTHO-MCNEIL PHARM INC

Demarest KT, Combs DW,

Burris TP,

Turchi

Rybczynski PJ,

WPI; 2002-082971/11.

Use of benzoxazinone derivatives for treating a subject suffering from a condition associated with peroxisome proliferator activated receptor gamma activity e.g. non-insulin dependant diabetes mellitus and obesity.

Example 7; Page 29; 46pp; English.

The invention provides methods of treating a subject suffering from a condition associated with peroxisome proliferator activated receptor agamma (PPARgamma) activity that involves administering a benzozazinone compound of a specified formula to the subject. The method is useful for treating and inhibiting in a subject the onset of a condition associated with PPARgamma activity such as a condition of reduced insulin sensitivity, non-insulin dependant diabetes mellitus, obesity, nebropathy, retinopathy, atherosolerosis, polycystic ovary syndrome, hypertension, ischemia, stroke, heart diseases, irritable bowel disorder, inflammation and cataract. Sequences AA168004-023 represent oligomuclectide probes specific for ap2 used in ap2 mRNA assay for antagonists AA168023/ XX AA16 XX AA16 XX BA16 XX BA2 XX CONG CC CONG CC CONG CC Sente CC SAMC CC SA

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4h-Benzo(1,4)oxazin-3-one compound; glucose metabolism; lipid metabolism; PARR gamma; perzoxisome proliferator activated receptor; therapy; NIDDM; non-insulin dependant diabetes mellitus; nephropathy; neuropathy; stroke; atherosclerosis; retinopathy; polycystic ovary syndrome; hypertension; ischaemia; obestry; heart disease; irritable bowel disorder; cataract; anorectic; nephrotropic; ophthalmological; cytostatic; hypotensive; vasotropic; cerebroprotective; cardiant; antiinflammatory; probe;
                                                                                                                                                           Gaps
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                                                                 3.0%; Score 19; DB 1; Length 19; 100.0%; Pred. No. 27; tive 0; Mismatches 0; Indels
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Sequence 19 BP; S A; S C; 4 G; S T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Probe #20, used in aP2 assay for antagonist.
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                                                                                                                                                                                                                            417 GTCATGAAAGGCGTCACTT 435
                                                                                                                                                                                                                                                                                     19 GTCATGAAAGCGTCACTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ORTH ) ORTHO-MCNEIL PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-MAY-2001; 2001WO-US015383.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-MAY-2001; 2001US-00854302.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAD24707 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                 3.07
Best Local Similarity 100.0
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-055671/07.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        aP2 mRNA; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unidentified.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAD24707;
                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 31
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ID AAD2
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Gaps

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which are useful for generating differentiated tissues and structures both in vivo and in vitro, for producing molecules such as hormones and cor providing a conditioned culture media for supporting the growth and expansion of other cell populations. Lattices are useful as substrates for facilitating the growth and differentiation of cells into mature tissues or structures. The invention is useful for delivering a transgene to an animal, The invention is useful in cell therapy and gene therapy. The present sequence is reverse transcription PCR (RT-PCR) primer used to amplify human ap2 gene. This sequence is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated adipose-derived stem cell, useful for generating differentiated tissues and structures both in vivo and in vitro or providing conditioned culture media to support the growth and expansion
                                                                                                                                                                                                                                                                        Adipose-derived stem cell; ADSC; transgene; cell therapy; gene therapy; primer; reverse transcription; RT; PCR; aP2; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to adipose-derived stem cells (ADSC) and lattices
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Katz AJ, Llull R, Futrell JW, Benhaim P, Lorenz HP;
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Pred. No. 28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                        Human aP2 gene amplifying reverse RT-PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seguence 20 BP; 5 A; 3 C; 6 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         % Natch 3.0%; Score 19; DB Local Similarity 100.0%; Pred. No. 28; No. 28; Pred. 19; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 11; Page 234; 241pp; English.
417 GTCATGAAAGGCGTCACTT 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 259 TACTGGGCCAGGAATTTGA 277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 TACTGGGCCAGGAATTTGA 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 10-SEP-2001; 2001US-00952522.
                                   19 GTCATGAAAGGCGTCACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAX32484 standard; DNA; 22
                                                                                                                             AAD55892 standard; DNA; 20
                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of other cell populations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22-JUN-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (REGC ) UNIV CALIFORNIA.
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                                                                                                                                                                                                                                                                                                                                                                     WO2003022988-A2.
                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                      07-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hedrick MH,
                                                                                                                                                                                                                                                                                                                                                                                                         20-MAR-2003
                                                                                                                                                                AAD55892;
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                                                                                           RESULT 32
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The invention relates to a gene encoding pig A-FABP (adipocyte fatty acid binding protein). Nucleic acid specific for the A-FABP gene or its fragments are used (1) to localize, identify or mark alleles in the gene, particularly those associated with production traits in pigs; and (2) for specific amplification of fragments its alleles or trait loci, particularly for distinguishing between alleles. Pigs carrying particular alleles are selected for use in breeding programs. Since A-FABP is involved in fatty acid transport and fat deposition, and may control insulin dependency, selection of particular alleles may allow regulation of fat deposition in muscle; body weight, weight gain and feed efficiency if fatty acid content of mast; embryo survival; birth rate and litter
                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid specific for the pig adipocyte fatty acid binding protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; RNA binding molecule; fatty acid binding protein 2; FABP-2; ss.
                              fatty acid binding protein; pig; porcine; allele, fatty acid transport; fat deposition; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human fatty acid binding protein 2 (FABP-2) RNA fragment #2.
Forward primer flanking CA repeat in porcine A-FABP gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 22 BP; 4 A; 3 C; 6 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                       NOORD NEDERLANDS VARKENSSTAMBOEK BV.
STICHTING INST DIERHOUDERIJ EN DIERGEZON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         size, and milk quality and quantity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                212 CACCATTAAATCTGAAAGTACC 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22 CACCATTAGATCAGAAAGTACC 1
                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Fig 4; 36pp; English
                                                                                                                                                                                   98WO-NL000541
                                                                                                                                                                                                              97EP-00202857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-APR-2002; 2002WO-SE000677.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                          STAMBOEK ZUID BV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20; Conservative
                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-229550/19.
                                                                                                                                                                                                                                           DALLAND BV.
PROVA BV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 20, Conserv
                                                breeding program;
                              A-FABP; adipocyte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200281748-A1
                                                                                                                      WO9914365-A1
                                                                                                                                                                                  18-SEP-1998;
                                                                                                                                                                                                             18-SEP-1997;
                                                                         Synthetic.
Sus scrofa.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAD48760;
                                                                                                                                                                                                                                                                                       (NNEV-)
(DIER-)
                                                                                                                                                                                                                                                                          (STAM-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 34
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Identifying RNA-binding molecule by predicting structure of RNA fragment, synthesizing DNA fragment corresponding to predicted RNA structure, performing reporter gene assay after placing the DNA upstream of reporter The present invention relates to a method of identifying RNA-binding molecule comprising predicting the structure of RNA-fragment, selecting suitable predicted RNA fragment with an individual stem, synthesising a DNA-fragment corresponding to the RNA fragment, inserting the DNA fragment in upstream proximity of reporter assay gene to form reporter construct and performing a reporter gene assay which detects interaction between a molecule to be tested for RNA-binding and RNA fragment of the reporter construct. The method is useful for identifying an RNA binding molecule. The present sequence is human fatty acid binding protein 2 (FABP-2) RNA fragment. This sequence is used to illustrate the method of Human, antisense; lung dysfunction, nasal airway dysfunction, antinflammatory steroid; ubiquinone; antinflammatory; antiallergic; antiaflammatory; antiallergic; antiathmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds. Gaps . 0 Aguilar 2.8%; Score 18; DB 1; Length 18; 77.8%; Pred. No. 30; or arrive 4; Mismatches 0; Indels Pabalan J, Sequence 18 BP; 3 A; 4 C; 7 G; 0 T; 4 U; 0 Other; Katz E, Identifying RNA-binding molecule by Li Y, Sandrasagra A, K Tang L, Shahabuddin S; 10; Page 28; 35pp; English. 18 Human oligonucleotide sequence, 26 BP. 05-APR-2001; 2001SE-00001218. 05-APR-2001; 2001US-0281384P. 24-APR-2001; 2001US-0286137P. (EPIG-) EPIGENESIS PHARM INC. 23-APR-2002; 2002WO-US013135. 9 AGGAGGGTGCAGCTTCCT Aggaggugcagcunccu ABZ85335 standard; DNA; 20 (first entry) Query Match Best Local Similarity 77.8 Matches 14; Conservative (BIOV-) BIOVITRUM AB WPI; 2003-058568/05. Li Y, WO200285308-A2 the invention Homo sapiens 17-OCT-2003 31-0CT-2002 Nyce JW, 1 Miller S, ABZ85335; Claim RESULT 35 ABZ85335 ઠે 셤

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Gaps

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Score 18.8; DB 1; Length 22; Pred, No. 32; 0; Mismatches 2; Indels

30 98 3.0%;

WPI; 2003-229219/22

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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonuclectide antisense to the initiation coodon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 muclectides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an entilnflammatory steroid and ubjquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition may have a preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an entilnflammatory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of, or reducing bronchodilation, increasing levels of ubjquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
           Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cancer; metabolic disorder; skin disorder; infectious disease; anorexia; behavioral disorder; valve disease; endocrine disorder; heart disorder; blood disorder; anxiety disorder; brain disorder; inflammatory disorder; neurodegenerative disorder; Alzheimer's disease; Parkinson's disease; immune disorder; haematopoietic disorder; dyslipidaemia; metabolic disturbance; obesity; metabolic syndrome X; wasting disorder; gene therapy; transgenic animal; human; PCR; primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2.6%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 38; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 7 A; 4 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ftp.wipo.int/pub/published_pct_sequences
                                                                                                                       Claim 15; SEQ ID NO 577; 872pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   279 GAAGICACIGCAGAIGACAG 298
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GAAGTCATTGCACATGACAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000US-0238373P.
2000US-0238379P.
2000US-0238382P.
2000US-0238383P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABK92082 standard; DNA; 21 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-OCT-2001; 2001WO-US031248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-OCT-2000;
06-OCT-2000;
06-OCT-2000;
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06-OCT-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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The invention describes an isolated polypeptide (I), useful in the manufacture of a medicament for treating a syndrome associated with a confirm disease. (I), the polymucleotide encoding it (II) and an antibody (III) to (I) are useful for treating or preventing cancer, metabolic disorders, skin disorders, infectious disease, anorexia, behavioral disorders, shart and blood disorders, anxiety disorders, brain disorders, heart and blood disorders, anxiety disorder, Alzheimer's disease, Parkinson's disorders, entrodegenerative disorder, Alzheimer's disease, Parkinson's disorders, immendesorders, metabolic disturbances associated with obesity, and the dyslipidaemias, metabolic disturbances associated with obesity, and the metabolic syndrome X and wasting disorders associated with chronic diseases. (I), (II) or (III) are useful in screening assays, detection assays (i.j. (II)) or (III) are useful in screening assays, detection casays of treatment (e.g., therapoutic and prophylactic). (I) is useful as immunosen to produce antibodises immunosectic). (I) is useful as two-hybrid or three-hybrid assays, and prophylactic). (I) is useful as two-hybrid or three-hybrid assays, and content in a two-hybrid or three-hybrid assays, and to modulate activity of (I). A cell containing a vector carrent or medulate activity of (I). A cell containing a vector sequence represents a primer used to study expression of the novel human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             study expression of the novel human
                                                                                                                                                                                            Zerhusen BD, Mezes PS;
Alsobrook UP, Lepley DM;
V, Ellerman K, Macdougall J;
on G, Szekeres ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                               Novel isolated polypeptide, designated NOVX, useful for treating opreventing cancer, diabetes, obesity, dyslipidemia, anorexia, and metabolic, neurodegenerative, immune and hematopoietic disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras; enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV; anti-rheumatic; cancer; AIDS; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1; Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 21 BP; 5 A; 1 C; 9 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                  Gerlach V, E
Smithson G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2.6%; Score 16.8; I
90.0%; Pred. No. 39;
:ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      in the invention
                                                                                                                                                                                            Shimkets RA, Taupler RJ, Burgess CE, Kastelli L, Malyankar UM, Grosse WM, Spytek KA, Li L, Edinger S, Gerlach Gunther E, Millet I, Stone D, Smiths:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sequence represents a primer used to polypeptides described in the inventi
                                                                                                                                                                                                                                                                                                                                                                                                                    Example 3; Page 228; 316pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GIGGIGGAATGCGICAIGAA 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gredrederererenda 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human H-Ras DNAzyme target #500.
            06-OCT-2000; 2000US-0238397P.
06-OCT-2000; 2000US-0238400P.
06-OCT-2000; 2000US-0238401P.
06-OCT-2000; 2000US-0238402P.
14-MAR-2001; 2001US-0275892P.
08-JUN-2001; 2001US-0275892P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 37
ABZ61709/c
ID ABZ61709 standard; RNA; 17 BP.
2000US-0238384P
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                                                                                                                                                          (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                WPI; 2002-444103/47.
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Matches
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AA265654 to AA269578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AA269579 to AA27740 represent amplification approach to the biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the have a variety of uses: they can be used for high density mapping of the chuman genome, and in complex association studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, as well as the characterisation of the officer in section of the development of pharmaceutical agents acting on a disease as well as other treatment.

On the second of the invention and is a sequence in the Sequence Listing from the present invention.
                                                                                                                              Novel biallelic markers used to construct a high density disequilibrium
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human genome, biallelic marker, high density disequilibrium map, genomic map, haplotype, phenotype, polymorphic base, genotyping, haplotyping, biantification, identification, characteristion, amplification, single nucleotide polymorphism; SNP, PCR primer,
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                                                          Chumakov I;
                                                                                                                                                                               Claim 9; Page 2670; 2745pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               570 ATTITCTCCCAAGCTGA 586
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                                                          Cohen D, Blumenfeld M,
                                                                                                                                               of the human genome
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                                                                                            WPI; 2000-013267/01
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Matches 16; Conserv
                      (GEST ) GENSET
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23-NOV-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acid also useful for treating breast, ovarian, colorectal, lung, prostate, shown in ABZ59899 - ABZ65216, ABZ65531, ABZ65520 - ABZ65524, ribozymes of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                  Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
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                                                                                                                                                                                                                                                                                                                                                                         Claim 58; Page 120; 185pp; English
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                                                                                                                      29-MAY-2001; 2001US-0294140P.
06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
                                                                                      29-MAY-2002; 2002WO-US016840
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98US-0109732P.
                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC.
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Best Local Similarity 94.1
Matches 16; Conservative
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                  WO200297114-A2
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                                                                                                                                                                                                                                  Mcswiggen J;
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                                                  05-DEC-2002
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23-NOV-1998;
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Gaps

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25-MAR-2003
02-JUL-1991
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ID AAQ1
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                                                                                       AAZ65654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ69579 to AAZ7440 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, as well as the characterisation of the differential efficacious responses to and side effects from the differential efficacious responses to and side effects from the differential efficacious acting on a disease as well as other treatment. N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3056, 3157, 327, 3297 and 3367, are not actually given a sequence in the Sequence Listing from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a purified human carboxypeptidase-like enzyme. The enzyme is useful for screening for agents which decrease the activity of an carboxypeptidase-like enzyme. The invention is also useful for treating a carboxypeptidase-like enzyme dysfunction related diseases condition such as chronic obstructive pulmonary disease, cancer, asthma or allergy. The invention is also useful for modulating carboxypeptidase-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New purified human carboxypeptidase-like enzyme, useful for identifying modulators of enzyme activity for treating cancer, asthma, allergy or chronic obstructive pulmonary disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, carboxypeptidase-like enzyme, therapy, cancer, asthma, allergy,
chronic obstructive pulmonary disease, cytostatic, antiasthmatic,
antiallergic, enzyme, PCR, primer, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human carboxypeptidase-like enzyme DNA amplifying PCR forward primer.
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38.9%; Pred. No. 45;
Ive 0; Mismatches
                                                Claim 9; Page 1882; 2745pp; English
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  the human genome
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     map of
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like enzyme activity in a disease condition. The invention is useful in diagnostic assays for detecting diseases and abnormalities or esusceptibility to diseases and abnormalities related to presence of mutations in the nucleic acid sequences which encode the enzyme. The present sequence is a PCR primer used for amplifying human DNA encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The probe was designed from the sequence of the prrepl06 encoding the hyo 39 kD antigen no. 1. It was used for screening of clones prepd. f. T. hyo genomic DNA following PCR treatment. See also AAQ11377-Q11409. (Updated on 25-MAR-2003 to correct PA field.)
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                                                                                                                                                                                                                                           2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Probe COD 957 specific for T. hyo 39kD antigen genes.
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                                                                                                                                                         Seguence 18 BP; 4 A; 3 C; 8 G; 3 T; 0 U; 0 Other;
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Pred. No. 45;
0; Mismatches
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Pred. No. 45;
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                                                                                                                                                                                                                                                                                        151 CCAGGAAAGTGGCTGGCA 168
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                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ11390 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          89US-00406535.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   89US-00406535
                                                                                                                   carboxypeptidase-like enzyme
                                                                                                                                                                                                    2.3%;
                                                                                                                                                                                                                                                                                                                                 1 CCAGGAAGGTGGTTGGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     223 CTGAAAGTACCTTTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cccaaacraccrrraa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MLTE-) ML TECHN VENTURES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Swine dysentery; vaccine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1991-117317/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-SEP-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-SEP-1989;
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chong596-2.rng

Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Patched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.

Human HTPL scanning oligonucleotide SEQ ID 1329.

03-JAN-2003

ABV80083;

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Human; gene therapy; tumour suppressor; HTPL; chromosome 10p12.1; human testis expressed Parched like protein; testis; adrenal; liver; male germ cell development; bone marrow; brain; kidney; lung; placenta; prostate; skeletal muscle; colon; male infertility; cancer; ss.
                          Human HTPL scanning oligonucleotide SEQ ID 1328.
                                                                                                                                                                                        30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
23-MAY-2001; 2001US-00664761.
09-OCT-2001; 2001US-0937898P.
                                                                                                                                                                2001WO-US000664.
2001WO-US000665.
2001WO-US000667.
                                                                                                                                      28-JAN-2002; 2002EP-00001167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  58 ACAAATGTGTGATGC 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                   (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                     WPI; 2002-676582/73
                                                                                                                                                                30-JAN-2001;
30-JAN-2001;
                                                                                      Homo sapiens
                                                                                                     EP1229046-A2
                                                                                                                                                        30-JAN-2001;
                                                                                                                                                                                30-JAN-2001;
         03-JAN-2003
                                                                                                                                                                                                                                                    Zhan J;
8
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```
The present invention relates to human testis expressed Patched like

protein (HTPL, see ABV78759 to ABV78762 and ABB9819 to ABB98520). HTPL

chas two isoforms, with a few single base pair differences between the

two. One of the single base pair changes introduces a premature stop

codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL

shares an overall structure organisation with the Patched protein. The

shared structural features strongly imply that HTPL plays a role similar

to that of Patched, and is a potential tumour suppressor. HTPL is

to that of Patched, and is a potential tumour suppressor. HTPL is

composed to human chromosome 10plo.1. HTPL and its coding sequence are

useful for diagnosing a disorder caused by mutation in HTPL, and in

such disorder associated with decreased expression or activity of human

HTPL. Such disorders include disorders of testis, or adrenal, adult and

such disorder bone marrow, brain, kidney, lung, placenta, prostate,

sheletal liver, bone marrow brain, kidney, lung, placenta, prostate,

skeletal muscle or colon function. HTPL protecins and nucleic acids are

clinically useful diagnostic markers and potenial therapeutic agents for

man infertility and cancer. The present oligonucleotide was used in an

example from the invantion.
Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.
                                                                                                                                                                                                                                                                      Example 2; Page 237; 718pp; English
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The present invention relates to human testis expressed Patched like protein (HTPL, see ABV78759 to ABV78762 and ABB98519 to ABB98520). HTPL chast two isoforms, with a few single base pair differences between the two. One of the single base pair changes introduces a premature stop codon in HTPL-S (S for short) compared to HTPL-L (L for long). HTPL shares an overall structure organisation with the Patched protein. The shares an overall structure organisation with the Patched protein. The chard structural features strongly imply that HTPL plays a role similar to that of Patched, and is a potential tumour suppressor. HTPL is important in regulating male germ call development, and the HTPL gene was mapped to human chromcosome 10pl2.1 HTPL and its coding sequence are useful for diagnosing a disorder caused by mutation in HTPL, and in their party and manufacture of a medicament for treatment or prevention of such disorder associated with decreased expression or activity of human HTPL. Such disorders include disorders of testis, or adrenal, adult and forteral muscle or colon function. HTPL proteins and nucleic acids are callically useful diagnostic markers and obtenial therapeutic agents for a manufacture infertility and cancer. The present oligonuclectide was used in an answer and an expense of the present oligonuclectide was used in an

Novel isolated human testis expressed Patched like protein (HTPL), useful for identifying agonist and antagonist and specific binding partners, and for treating subjects having defects in HTPL.

WPI; 2002-676582/73.

Zhan J;

(AEOM-) AEOMICA INC.

30-JAN-2001, 2001WO-US000664. 30-JAN-2001; 2001WO-US000664. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000665. 30-JAN-2001; 2001WO-US000668. 30-JAN-2001; 2001WO-US000669. 23-MAY-2001; 2001US-00864761.

28-JAN-2002; 2002EP-00001167

Homo sapiens. EP1229046-A2 07-AUG-2002 Example 2; Page 238; 718pp; English.

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Score 14.4; DB 1; Length 17;
Pred. No. 45;
0; Mismatches 1; Indels
Sequence 17 BP; 6 A; 2 C; 4 G; 5 T; 0 U; 0 Other;
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2.3%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 45;
                            Indels
                            ;
                            0; Mismatches
                                                      58 ACAAAATGTGTGATGC 73
                                                                              1 ACAAATGTGTGTTGC 16
            Best Local Similarity 93.8
Matches 15; Conservative
 Query Match
                                                      ò
                                                                           음
 ô
Gaps
 ..
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Sequence 17 BP; 5 A; 2 C; 5 G; 5 T; 0 U; 0 Other;

. 0

Gaps

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RESULT 44

ABV80083 ID ABV80083 standard; DNA; 17 BP.

2 ACAAATGTGTGTTGC 17

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The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating cappression of an Ets-related gene (ERG). (I) is useful for treating. Conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration, convocating a diabetic retinopathy, macular degeneration, variation, variation, variation, variation, variation, variation, convocating a patient myopic degeneration, arthritis, psoriasis, verruca wilgaris, angiofibroma of tuberous sclerosis, port-whne stains, Sturge weber syndrome, leukaemia, osteoprosis and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. The method comprises the use of one or more therapies the reatment is treated by administering (I) to the patient in conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a cell, by contacting (I) with ERM) in the presence of a divalent cation such as Mg2+. (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnosit to to detect the presence of ERG RNA in a cell. (I) is useful for specifically caramine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically caramine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically caramic mucleic acid molecules which regulate expression of ERG, and caramic mucleic acid molecules which regulate expression of ERG, and caramic mucleic acid molecules which regulate expression of ERG, and caramic mutation mutation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel polynuclectide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
                                                                                                                                                                                                                              Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; ceneer; lymphoma; Ening's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; portr-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; se; Osler-Weber-rendu syndrome; leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                     Human ERG hammerhead ribozyme target sequence, Seq ID No 454.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 2.3%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 45; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 8 A; 2 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Von Carlowitz I, Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 4; Page 67; 149pp; English.
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Randi AM;

Mclaughlin F,

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fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 8% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying adualtifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to preper transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides and polypeptides can also be used to screen for their specific interactive molecules, or potentially useful for traating diseases associated with abnormal
                                                                                                                                                                                                                                                  cytostatic, antiviral, neuroprotective, nootropic, neuroleptic, ss;
primer, probe, tumour suppression, tumour reversion, apoptosis;
virus resistance, transgenic animals, Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                 Tumour suppression/reversion associated nucleotide #5809.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 10 A; 1 C; 1 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ŕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2.3%; Score 14.4; D
33.8%; Pred. No. 45;
ve 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 711; 771pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               615 ATAACTTTTTTAGAT 630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MOLE-) MOLECULAR ENGINES LAB.
593
                                                                                                                  ADB45486 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-SEP-2001; 2001FR-00011981.
                                                                                                                                                                                                                                                                                                                                                                                                                                              17-SEP-2002; 2002WO-IB004219.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93.8%;
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                                                                                                                                                                                      (first entry)
578 CCAAGCTGATTTATT
                               16 ccaagciratiratr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 93.8
nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     relerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-441574/41.
                                                                                                                                                                                                                                                                                                                                                                                WO2003040369-A2
                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                      18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                 15-MAY-2003.
                                                                                                                                                                                                                                                                                                             diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                       ADB45486;
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                                                                                   RESULT 45
                                                                                                      ADB45486/
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Gaps

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Human; mouse; otoferlin; OTOF; brain; auditory function; PCR primer;
autosomal nonsyndromic prelingual deafness; DFNB9; ss.
                                                                                                                                                                                                                                                                                    Novel human gene Otoferlin, underlying an autosomal recessive nonsyndromic prelingual deafness, DFNB9, and proteins encoded by the gene, implicated in deafness.
                                                                                                                                                                                                                                        El Amraoui A,
                                                                                                                                                                                                                                        Cohen-Salmon M,
                                                                      Human otoferlin exon PCR primer #12.
                                                                                                                                                                                                                                                                                                                        Claim 25; Page 17; 99pp; English.
                                                                                                                                                                                                            (INSP ) INST PASTEUR.
(CNRS ) CNRS CENT NAT RECH SCI
                AAS95047 standard; DNA; 18 BP.
                                                                                                                                                                          23-MAR-2001; 2001WO-IB000578,
                                                                                                                                                                                          24-MAR-2000; 2000US-0191738P
                                                     (first entry)
                                                                                                                                                                                                                                        Grati M,
                                                                                                                                                                                                                                                                  WPI; 2001-611499/70.
                                                                                                                                     WO200170972-A2
                                                                                                                    Homo sapiens
                                                     13-FEB-2002
                                                                                                                                                                                                                                        /asunaga S,
                                   AAS95047;
                                                                                         Human;
RESULT 46
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Petit C;

fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides. The nucleotides are used as probes or primers for detecting, including quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and calls containing the vectors), the encoded polypeptides and antibodies (Ab) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or viral infections or diseases characterized by development of tumours or viral sincerions of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can be used to screen for their specific interactive molecules.

used to screen for their specific interactive molecules, illy useful for treating diseases associated with abnormal

useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.

Tuijnder M;

Amson R,

Telerman A,

WPI; 2003-441574/41.

(MOLE-) MOLECULAR ENGINES LAB

17-SEP-2002; 2002WO-IB004219. 17-SEP-2001; 2001FR-00011981.

WO2003040369-A2.

diagnosis.

15-MAY-2003

Disclosure; Page 392; 771pp; French.

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0
The invention relates to a purified polynucleotide (I) encoding a protein sequence (II) encoded by a novel human gene, otoferlin (OTOF) or the long human otoferlin isoform in brain. (I) was identified as underlying an autosomal nonsyndromic prelingual deafness DFNB9, and is thus useful for detecting deafness disease in humans and for characterising the functions of proteins and genes encoding them in auditory function. AAS95022-AAS95248 represent human and mouse otoferlin coding sequences, PCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2.3%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 47; ative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 2 A; 5 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                               primers and related sequences of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
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Query Match
Best Local Similarity
Matches 15; Conserv
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Gaps

; 0

Indels

.. 0

2.2%; Score 14; DB 1; Length 17; 100.0%; Pred. No. 48;

100.0%; Prec. ...

Query Match 2.29 Best Local Similarity 100.0 Matches 14; Conservative

346 TGCAGAAATGGGAT 359

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15 TGCAGAAATGGGAT

AAA21306 standard; RNA; 17 BP.

RESULT 48 AAA21306 (first entry)

19-JUN-2000

AAA21306;

Sequence 17 BP; 3 A; 5 C; 3 G; 6 T; 0 U; 0 Other;

expression of the nucleotides

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333 GTCCTGGTACATGTGC 348
                          1 decerecracarerec 16
                          엄
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cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
primer; probe; tumour suppression; tumour reversion; apoptosis;
virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                        Tumour suppression/reversion associated nucleotide #3087.
RESULT 47
ADB42764/c
ID ADB42764 standard; DNA; 17 BP.
                                                                                                             (first entry)
                                                                                               (revised)
                                                                                            18-DEC-2003
04-DEC-2003
                                                                ADB42764;
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Human, aryl hydrocarbon nuclear transport; ARNT; TIE-2; angiogenesis; integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme; hammerhead ribozyme; angiogenic factor; cytostatic; antidiabetic; ophthalmologic; antinflammatory; antiarthritic; antipsoriatic; ARMD; dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis; age related macular degeneration; inflammation; neovascular glaucoma;
                                                                                                                                                                                                                                                                                                         myopic degeneration; psoriasis; verruca vulgaris; angiofibroma;
                                                                                                      Integrin alpha 6 subunit substrate sequence SEQ ID NO:4532.
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The present invention describes enzymatic nucleic acid molecules with RNA cleaving activity, which specifically cleave RNA encoded by an aryl hydrocarbon nuclear transporter (ARNI) gene, an integrin submit beta 3 gene, an integrin alpha 6 subunit gene, or a Tie-2 gene. AAA16775 to AAA1767 and AAA1765 to AAA1768 to AAA1768 to AAA1767 to AAA1768 to AAA1768 to AAA1767 and AAA1766 to AAA1768 to AAA1768 to AAA19087 to AAA1915 and AAA1768 to AAA1908 and AAA1918 and AAA1908 and AAA1918 to AAA19022 to AAA1908 to AAA1918 to AAA1918 to AAA1908 to AAA1918 to AAA1918 to AAA1908 to AAA1918 and AAA2185 to AAA1908 represent their corresponding target sequences; AAA19223 to AAA2185 to AAA2185 to AAA1800 and AAA2185 to AAA2185 to AAA2189 to AAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, aryl hydrocarbon nuclear transport, ARNT; TIE-2; angiogenesis, integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
tuberous sclerosis; pot-wine stain; Sturge Weber syndrome;
Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  o
O
                                                                                                                                                                                                                                                                                                                                                                                      Coeshott C, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        . Match 2.2%; Score 13.8; DB 1; Length 17; Local Similarity 41.2%; Pred. No. 49; es 7; Conservative 8; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Integrin alpha 6 subunit substrate sequence SEQ ID NO:4531.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Integrin subunit alpha-6, or integrin subunit beta-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 1 C; 2 G; 0 T; 10 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 55; Page 200; 305pp; English.
                                                                                                                                                                                                                                                                                                                                                                                      Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                581 AGCTGATTTTATTCAAT 597
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 AGCUGAUUUUUUUAAU 17
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                                                                                                                                                                                                                              99WO-US006507.
                                                                                                                                                                                                                                                                                98US-0079678P.
                                                                                                                                                                                                                                                                                                                                  (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                      Pavco PA, Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-591315/50.
                                                                                                                                                                                                                              24-MAR-1999;
                                                                                                                                                                                                                                                                                27-MAR-1998;
                                                                             Homo sapiens
                                                                                                                           WO9950403-A2
                                                                                                                                                                             07-OCT-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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Matches
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The present invention describes ensymatic nucleic acid molecules with RNA cleaving activity, which specifically cleave RNA encoded by an aryl nydrocarbon nuclear transporter (ARMY) gene, an integrin submit beta 3 gene, an integrin alpha 6 subunit gene, or a Tie-2 gene AAA1675 to AAA1765 to AAA2169 to AAA216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors.
hammerhead ribozyme; angiogenic factor; cytostatic; antidiabetic; ophthalmologic, antidinflammatory; antisarthritic; antibsoriatic; ARMD; dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis; age related macular degeneration; inflammation; neovascular glaucoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                   myopic degeneration; psoriasis; verruca vulgaris; angiofibroma;
tuberous sclerosis; pot-wine stain; Sturge Weber syndrome;
Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Jarvis T, Coeshott C, Mcswiggen JA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       integrin subunit alpha-6, or integrin subunit beta-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 5 A; 1 C; 2 G; 0 T; 9 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 55; Page 200; 305pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    580 AAGCTGATTTTATTCAA 596
                                                                                                                                                                                                                                                                                                                                                                       99WO-US006507.
                                                                                                                                                                                                                                                                                                                                                                                                                             98US-0079678P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pavco PA, Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-591315/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                             27-MAR-1998;
                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                       24-MAR-1999;
                                                                                                                                                                                                                                                                WO9950403-A2
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Neurofibromatosis type 1, NF1; peripheral blood lymphocyte; PBL, EBV; ss;
Epstein-Barr virus; B-lymphoblastoid cell; phytohaemagglutinin; PHA;
frame shift mutation; mis-sense mutation; silent mutation; PCR primer;
                                                                                                                                                                                                                                         Mutation analysis of NF1 gene by treating EBV transformed lymphoblastoid cell lines formed with lymphocytes of patient with protein synthesis inhibitor, and obtaining peptides by translating amplified RNA from cell
        Neurofibromatosis (NF1) HA PCR primer #16.
                                                                                                                                                                                                                                                                                         Claim 9; Page 70; 102pp; English.
                                                                                                                                                       18-OCT-1999; 99EP-00870216.
05-JUN-2000; 2000EP-00870122.
                                                                                                                                   18-OCT-2000; 2000WO-EP010255.
                                                                                                                                                                                                     Callens T;
                                                                                                                                                                                                                       WPI; 2001-300341/31.
                                                         sequencing primer
                                                                                                                                                                                 (UYGE-) UNIV GENT.
                                                                                              WO200129251-A2
                                                                             Homo sapiens.
                                                                                                                                                                                                     Messiaen L,
                                                                                                                  26-APR-2001
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The sequences represent neurofibromatosis type 1 (NF1) cDNA fragments and primers and sequencing primers for use in mutation analysis of NF1. A method for mutation analysis of the NF1 gene involves isolating peripheral blood lymphocytes (PEL) of a patient, establishing Epstein-Barr virus (EBV) transformed B-lymphoblastoid cell line with isolated PEL, or short-term culturing of PEL by phychemangglutinin (PHA) stimulation, treating the cell line or short-term culture with protein synthesis inhibitor and immediately extracting RNA from the cultures. The RNA is then amplified and peptide fragments are obtained by in vitro transcription/translation of amplified fragments. Mutation analysis of NF1 is used for detection of frame shift, mis-sense and silent mutations in young children who are often oligosymptomatic. Efficacy of a mutations in young children who are often oligosymptomatic. Efficacy of a crug or agent can be identified by a screening process in which modulate NF1 gene is expressed. The sequences can be used to design drugs which modulate NF1 activity, by using knowledge of the structure of the NF1 protein and of specific defects of the various in that are proteins. The method allows for reliable analysis of mutations that are difficult to detect due to unstable or wrong-spliced transcripts Sequence 17 BP; 7 A; 3 C; 3 G; 4 T; 0 U; 0 Other;

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Gaps
                           ..
0
 Score 13.8; DB 1; Length 17; Pred. No. 49;
                         2; Indels
                         Mismatches
                         .
           88.2%;
           Local Similarity 88.2
les 15; Conservative
Query Match
Best Local S:
Matches 15
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113 97 TCTCCAGTGAAACTTT 17 Triccagreaagacrir

g 8

ABV85336 standard; DNA; 17 ABV85336; ABV85336/c 1D ABV8: XX ABV8: XX DT 11-DI XX Human RESULT 51

BP.

(first entry) 11-DEC-2002

Human pp-GaNTase 10 scanning 17-mer SEQ ID NO:329.

Nucleic acid encoding human UDP-GalNAc:polypeptide N-cetylgalactosaminyltransferase 10 protein is useful to diagnose, prevent and treat disorders associated with reduced or over expression of the The present invention describes an isolated nucleic acid (I) encoding a human UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10 (pp-GaNTase 10, EC 2.4.1.41) protein. Human pp-GaNTase 10 is located to chromosome 7q11.2. (I) can be used in gene therapy. Molecules of the present invention can be used in therapy, particularly to prevent or treat a disorder associated with decreased expression or activity of pp-GaNTase. The sequence given in ABV85011 to ABV86689 and ABP53502 to The sequence data for this parent is not represented in the printed processing the present invention. N.B. The sequence data for this pacent is not represented in the printed processing the present in the printed processing the present of the present invention. Human, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10; pp-GaNTase 10; EC 2.4.1.41; chromosome 7q11.2; gene therapy; scanning; Example 2; SEQ ID NO 329; 59pp; English. 2001WO-US000665. 2001WO-US000666. 2001WO-US000667. 30-JAN-2001, 2001WO-US000668. 30-JAN-2001, 2001WO-US000669. 30-JAN-2001, 2001WO-US00670. 32-RAY-2001, 2001US-00864761. 30-AUG-2001, 2001US-0315984P. 25-JAN-2002; 2002EP-00001161. 2001WO-US000664 ΰ Nguyen European Patent Office WPI; 2002-724954/79. (AEOM-) AEOMICA INC Gu Y, protein. 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; Homo sapiens. Synthetic. 30-JAN-2001; EP1243660-A2 25-SEP-2002 Zhang J, encoded

Gaps .. 0 2.2%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 49; Indels Sequence 17 BP; 4 A; 1 C; 6 G; 6 T; 0 U; 0 Other; Mismatches ; 0 327 311 CACCATAACCTTAGATG Query Match 2.2 Best Local Similarity 88.2 Matches 15; Conservative ઠે

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BP. 17 caccaraaccrrcaars ABT36459 standard; DNA; 17 (first entry) 12-JUN-2003 ABT36459; RESULT 52 ABT36459 g **XXXXXXXXX**

Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; Tumour suppression related human fukutin oligo SEQ ID No 2096.

chong596-2.rng

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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that bybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated mucleic acid, e.g. as one caids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of agene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticials for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or tell diseases. The polypeptides can also be used to generate antibodies, and both the polypeptides and antibodies and such or prognoments of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polynucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 o'
                                                                                                                                                                                                                                                                                                                                                                                                   New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, ribozyme; short interfering RNA, siRNA, HER2, K-Ras,
enzymatic nucleic acid, H-Ras, N-Ras, HIV, cytostatic, anti-HIV,
anti-rheumatic, cancer, AIDS, ss.
schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2.2%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 49;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 278; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human K-Ras DNAzyme substrate #1062.
                                                                                                                                                                                                                                                                                                                   Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        185 GATCATCAGTGTGAATG 201
                                                                                                                                                                                                                                                                          (MOLE-) MOLECULAR ENGINES LAB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GATCTTCAGTGTAATG 17
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                                                                                                                                                                                                                                 17-SEP-2001; 2001FR-00011978.
                                                                                                                                                                                        17~SEP-2002; 2002WO-IB004208.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-MAR-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                   Telerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-313353/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                      WO2003025175-A2.
                                                               Homo sapiens
                                                                                                                                               27-MAR-2003.
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-RSB, H-RSB, N-RSB, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule incomponent of HIV, and antirhematic activity. The nucleic acid molecules are useful for reducing HER2, K-RSB, H-RSB, and HIV acid molecules are useful for reducing HER2, consetul for activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ARZSBSS - ABZ662216, ABZ66521, ABZ6652
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 7 A; 2 C; 3 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 58; Page 105; 185pp; English.
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ID ADB40481 standard; DNA; 17 BP.
                                                                                                                                                                                                                 29-MAY-2001; 2001US-0294140P.
06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
                                                                                                                                                              29-MAY-2002; 2002WO-US016840.
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                                                                                                                                                                                                                                                                                                                             (RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-140484/13.
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                                                  WO200297114-A2.
  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                      Mcswiggen J;
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                                                                                                           05-DEC-2002.
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es and

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Bellon L; Burgin A;

Kisich K,

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Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme;
target; substrate; catalyst; modulation; expression; Raf gene; delivery;
screening; identification; synthesis; deprotection; purification; cancer;
inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Target sequence with sequence homology to c-raf and A-raf position 1754.
                                                                                            Disclosure, Page 126; 771pp; French.
                          Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                     172 CCAAACCTAACATGATC 188
                                                                                                                                                                                                                                                                                expression of the nucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                  BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-0046059P.
97US-0049002P.
97US-0051718P.
97US-0056808P.
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                                                                                                                                                                                                                                                                                                                           88.2%;
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                                                                                                                                                                                                                                                                                                                                                                                                                 AAV93839 standard; RNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                   15; Conservative
                         Felerman A, Amson R,
                                         WPI; 2003-441574/41
                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-JUN-1997;
03-JUL-1997;
22-AUG-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-FEB-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-NOV-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV93839;
                                                                                                                                                                                                                                                                                                                   Query Match
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Matches
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Gaps

.. 0

Human; carcinoembryonic antigen; heavy chain; light chain; variable; region; diagnostic; tumour; markers; targetting; ss.

90JP-00408810. 90JP-00408810,

28-DEC-1990;

JP04234987-A

Synthetic.

24-AUG-1992

Probe for anti-CEA specific antibody DNA.

(first entry)

01-MAR-1993

AAQ28744;

BP.

AAQ28744 standard; DNA; 16

AAQ28744

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A method has been developed for the identification of a nucleic acid capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic comprises: (a) introducing into the system a random library of nucleic acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endouclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases caused by specific RNA, e. cancer, inflammation, psoriasis, non-hepatic acid, matcations in diseased cells and to detect genetic drift and caused by specifically that modulate expression of the Raf gene, are used to reat cancer, restenosis, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of craf. Introduction of sugar/phosphate modifications increases stability against nuclease and cativity. AAV90922 to AAV93877 represent NACs that can be used in the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                            Identifying new catalytic nucleic acid that modulates selected processes - especially ribozymes that cleave Raf RNA for treating cancer, restenosis, and also new ribozymes and modified nucleoside triphosphates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2.1%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 46; 1; Indels 1; Indels
                                                                                                                                                                                                                            Jarvis T, Matulic-Adamic J, Reynolds M, Kisich K,
Parry T, Beigelman L, Mcswiggen JA, Karpeisky A,
Thompson J, Workman CT, Beaudry A, Sweedler D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15 BP; 2 A; 1 C; 4 G; 0 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 used as antiviral agents and synthons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 180; Page 176; 259pp; English.
97US-0061321P.
97US-0061324P.
97US-0064866P.
                                                                                                 97US-0068212P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           370 CCACCATAAAGAGAA 384
                                                                                                                                                                (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15 CCACCATAAAGATAA 1
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J, Workman CT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-009494/01.
                                                                                                 19-DEC-1997;
                                  02-OCT-1997;
05-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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   ઠે
                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides. The nucleotides are used as probes or primers for detecting, identifying quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to preper transgenic animals, as experimental models. The nucleotides (also vectors containing them and call containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides and polypeptides can also be used to screen for their specific interactive modecules, as and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive modecules, expression of the nucleotides and polypeptides can be wrented to the proposition of the nucleotides and polypeptides can also be used to screen for their specific interactive modecules, as a proposition of the nucleotides and polypeptides can be proposition of the nucleotides and polypeptides can be nucleotides.
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0
                                                                                                                                                                                                                 New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral intection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.2%; Score 13.8; DB 1; Length 17;
18.2%; Pred. No. 49;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 2 A; 1 C; 6 G; 8 T; 0 U; 0 Other;
                 (MOLE-) MOLECULAR ENGINES LAB.
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The probe was used to hybridise to a cDNA library prepd. from mRNA obtd. from hybridomas producing anti-CEA-specific antibodies. The cloned DNA encodes either the heavy chain or light chain variable region of anti-CEA murine monoclonal antibody. The DNA fragments are useful as diagnostic agents, as tumour markers for digestive organs, for diagnostic andignant tumours; for monitering after cancer operations, to follow up bloodless therapy or as therapeutic agents in passive immune therapy and targetting therapy. See also AAQ28745-7
                                                                                                New DNA fragments encoding variable regions of ABS specific for human CEA - for diagnosing and monitoring tumours, as tumour markers and for treatment of tumours.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                              2.1%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 49; 1; Indels tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 16 BP; 2 A; 1 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                    Disclosure; Page 4; 7pp; Japanese.
                (MITU ) MITSUBISHI KASEI CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV48633 standard; DNA; 16 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  323 AGATGGGGGTGTCCT 337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 AGATGGGGGTGTCGT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative
                                                         WPI; 1992-327631/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAV48633;
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AAV48633
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Preparation of antisense oligo:nucleotide(s) which lack long runs of consecutive guanosine or inosine — and have specific ratio of residues able to form two or three hydrogen bonds, have greater activity and reduced toxicity, used therapeutically or to modulate growth of cells in
                                                                                junB; junD; antisense oligonucleotide; modulate; gene expression; ss.
                                                                                                                                                                                                                             (BIOG-) BIOGNOSTIK GES BIOMOLEKULARE DIAGNOSTIK.
                                                            junB gene antisense oligonucleotide JunB-N-19.
                                                                                                                                                                                                                                                                                                                                                            Example 3; Fig 5b; 286pp; English.
                                                                                                                                                                                                                                                 Brysch W;
                                                                                                                                                                                   97EP-00101531.
                                                                                                                                                                                                      97EP-00101531.
                                        (first entry)
                                                                                                                                                                                                                                                                       WPI; 1998-400910/35.
                                                                                                                                                                                                                                               Schlingensiepen K,
                                                                                                                     Homo sapiens.
                                                                                                                                                                                   31-JAN-1997;
                                                                                                                                                                                                        31-JAN-1997;
                                                                                                                                        EP856579-A1.
                                        15-OCT-1998
                                                                                                                                                              05-AUG-1998.
                                                                                                         Synthetic
                                                                                                                                                                                                                                                                                                                                        culture.
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that contain 8-30 nucleotides, which contain at most 8 nucleotides that can each form three hydrogen bonds to cytosine; do not contain four consecutive nucleotides able to form three H-bonds each to four consecutive cytosines; do not contain two sequences of three consecutive nucleotides each able to form three H-bonds to three consecutive cytosines, and the ratio between residues able to form two H-bonds each (2R) or three such bonds (3R) is given by 2R/3R = 0.33-0.72. The chigonacleotides are used to modulate expression of genes, particularly the genes for p53, Erbel 2, jung, jund, TGF-beta 1 or beta 2 to control proliferation of primary cell cultures (e.g. bone marrow stem, liver or kidney cells, osteoclasts, osteoblasts and/or keratinocytes). The oligonucleotides can also be used to analyse function of proteins (by altering their expression or activity) and therapeutically, e.g. in cases of cancer or (targeting TGF) for stimulating the immune system
                     88888888888888888888
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Seguence 16 BP; 6 A; 1 C; 1 G; 8 T; 0 U; 0 Other;

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Gaps
                                     0
2.1%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 49; 1; Indels tive 0; Mismatches 1; Indels
                                                                        586 ATTTTATTCAATATG 600
                                       14; Conservative
   Query Match
Best Local Similarity
Matches 14; Conserva
                                                                        ò
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0

Search completed: September 30, 2004, 16:30:57 Job time : 1 secs

2 ATTATATICAATATG 16

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AAV48564-708 represent antisense oligonucleotides directed against the junB and junD genes. Of these, only oligonucleotides AAV48555-614 resulted in effective downregulation of negative growth control by JunB or JunD, while AAV48615-708 had little effect. The oligonucleotides exemplify the invention. The specification describes oligonucleotides

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chong596-2.rnpb

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October 1, 2004, 07:06:08; Search time 0.001 Seconds (without alignments) 1834.796 Million cell updates/sec
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                   OM nucleic - nucleic search, using sw model
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1 ggaattccaggagggtgcag......ataacttttttagatttag 634 IDENTITY NUC Gapop 10.0 , Gapext 0.5 US-09-503-596-2 Perfect score: Scoring table: Sequence: Title:

Total number of hits satisfying chosen parameters:

61 seqs, 1447 residues

Searched:

Minimum DB seq length: 10 Maximum DB seq length: 100

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 61 summaries

rnpb2.seq:* Database : Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Appli	576, A	Appl	02, Ap	Appl	Appl	Appl	Appl	Appl		1, App	Appl	Appl	Appl	Appl	Appl		2, App	Appl	Appl	App1	App1	Appl	Appl	Appl	Appl	Appl						
r c	1,7	125	1,8	800	17,	17,	17,	16,	16,			15,	15,	15,	15,	15,			139	6,	19,	1,8	18	18	24	27,	15	16,	33	17	12,	34,	23,
Description	Sequence	Seguence	Sequence	Seguence	Seguence	Sequence	Sequence	Seguence	Sequence	Seguence	Sequence	Seguence	Seguence	Seguence	Seguence	Seguence	Seguence	Sequence	Sequence	Seguence	Sequence	Sednence	Sequence	Sequence	Seguence	Sequence	Seguence	Seguence	Seguence	Sequence	Sequence	Seguence	Sequence
ID	16-265	-09-908-975-1	-10-431-598-1	-10-131-827	-688-572-1	10-688-379-1	38-380-1	겉	-10-688-379-1	10-688-380-1	-10-384-491-2	-09-853-798-1	-09-854-302-1	-09-990-461B-	-10-688-572	-10-688-379-1	-10-688-380-1	-10-384-491-2	-10-688-572-1	-10-688-379-1	-10-688-380-1	-10-688-572-1	-10-688-379-1	-10-688-380-1	-10-348-480B-	-09-952-522B	-10-416-090-1	-10-416-090-1	-09-795-917-3	-10-348-48	-10-348-48	-09-795-917	US-10-348-480B-23
DB		Н	Н	~	-	Н	H	Н	Н	H	↔	-		Н	н	-	Н	ч	-	Н	н	Н	H	,-1	н	Н	-	Н	7	Н	Н	Н	-1
% Query Match Length	65			50		33	33	29	U. 0	C)	27	26	26	26	26	26	26	24	24	24	24	23	23	23	21	20	20	20	20	20	20	6	20
* Query Match	1 - •		•	7.9		٠		4.6	4.6	4.6	4.3	4.1	4.1	4.1	4.1	4.1	4.1	٠	٠	•		•	3.6	٠	3.3	3.5	3.2	3.2	3.2	3.5	3.5	3.0	3.0
Score	65	09	51	50	33	33	33	29	53	53	27	56	56	26	26	26	56	24	24	24	24	23	23	23	21	20	20	20	20	20	20	19	19
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Sequence 20, Appl Sequence 20, Appl Sequence 28, Appl Sequence 38, Appl Sequence 3080, Ap Sequence 3080, Ap Sequence 3087, Ap Sequence 3075, Ap Sequence 3075, Ap Sequence 3075, Ap Sequence 3144, Ap Sequence 1329, Ap Sequence 321, Appl Sequence 311, Appl Sequence 311, Appl Sequence 5116, Ap Sequence 1139, Ap Sequence 1139, Ap Sequence 110, Ap Sequence 110, Ap Sequence 110, Ap Sequence 110, Ap Sequence 211, Appl Sequence 216, Appl Sequence 216, Appl Sequence 217, Appl Sequence 217, Appl Sequence 274, Appl Sequence 274, Appl Sequence 274, Appl Sequence 274, Appl Sequence 274, Appl Sequence 274, Appl
US-10-688-572-20 US-10-688-379-20 US-10-688-380-20 US-10-16-28-28 US-10-084-839-3086 US-10-084-839-3086 US-10-084-839-3086 US-10-084-839-3083 US-10-084-839-3083 US-10-084-839-3083 US-10-084-839-3083 US-10-084-839-3083 US-10-084-839-3075 US-10-084-839-3075 US-10-084-839-3075 US-10-156-306-3129 US-10-156-306-316 US-10-128-560-196 US-10-043-875-277
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ALIGNMENTS

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0; Gaps
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RESULT 1
US-10-116-265-7
Sequence 7, Application US/10116265
Publication No. US20030077612A1
GENERAL INPORMATION:
TITLE OF INVENTION: NEW METHOD
FILE REFREENCE: 1345-105001
CURRENT PELLING DATE: 2002-04-04
PRIOR PELLING DATE: 2001-04-05
PRIOR FILING DATE: 2001-04-05
PRIOR FILING DATE: 2001-04-05
PRIOR FILING DATE: 2001-04-05
NUMBER OF SEQ ID NOS: 19
SEQ ID NO 7
LENGTHARE: FASESEQ for Windows Version 4.0
SEQ ID NO 7
LENGTH: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
CORGANISM: Homo sapiens
US-10-116-265-7
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RESULT 2
8.09-098-975-12576
; Sequence 12576. Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION: 61 AAATG 65 61 AAAUG 65 à δ d g

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APPLICANT: User, And APPLICANT: Lee, Jung
APPLICANT: Lee, Jung
APPLICANT: Lee, Jung
APPLICANT: Matchew, Jan M
APPLICANT: Reaching Syndrome X with Substituted Tetralins and Indanes
TILIE REPERENCE: PRO50
CURRENT APPLICATION NUMBER: G0/419,927
PRIOR APPLICATION NUMBER: G0/419,927
PRIOR APPLICATION NUMBER: 60/495,758
PRIOR APPLICATION NUMBER: 60/495,758
NUMBER OF SEC ID NOS: 20
SOFTWARE: Patchtin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Chen, Xiaoli
APPLICANT: Demarest, Keith T
APPLICANT: Ambler, Jung Lee
APPLICANT: Matthews, Jay M
APPLICANT: Matthews, Jay M
APPLICANT: Rybozynski, Philip
TITLE OF INVENTION: METHODS OF USING SUBSTITUTED TETRALINS AND INDANES
FILE REFERENCE: PRD-0049 MP
CURRENT APPLICATION NUMBER: US/10/688,379
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                               1.9%; Score 50; DB 1; Length 50; ilarity 100.0%; Pred. No. 1.2; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ch 5.2%; Score 33; DB 1; Length 33; l Similarity 100.0%; Pred. No. 8.4; 33; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       237 AAAAATACTGAGATTTCCTTCATACTGGGCCAG 269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        33 AAAAATACTGAATTTCCTTCATACTGGGCCAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             539 ITGITGITITCCCTGATTTAGCAAGCAAGTAATT
                               CURRENT FILING DATE: 2002-09-06
PRIOR APPLICATION NUMBER: US 10/006,290
PRIOR FILING DATE: 2001-10-22
PRIOR PELING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 9090
SOFTWARE: Patentin version 3.1
SEQ ID NO 8002
LENGTH: 50
              CURRENT APPLICATION NUMBER: US/10/131,827
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Janssen Pharmaceutica, N.V. APPLICANT: Chen, Xiaoli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Janssen Pharmaceutica, N.V. APPLICANT: Chen, Xiaoli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17, Application US/10688572
Publication No. US20040162352A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17, Application US/10688379
Publication No. US20040167211A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chen, Xiaoli
                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
US-10-131-827-8002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
US-10-688-572-17
                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
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Matches 33; Conserv
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LENGTH: 33
                                                                                                                                                                                                                                                                                         TYPE: DNA
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Best Local
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                                           APPLICANT: MINTZ, E1:
APPLICANT: MINTZ, E1:
APPLICANT: MINTZ, Liat
APPLICANT: FAGGER, Simchon
APPLICANT: FAGGER, Simchon
TITLE OF INVENTION: OLIGONUCLECTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
TITLE OF INVENTION: 1441 POPULATE A TRANSCRIPTOME
CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR FILING DATE: 2001-07-20
PRIOR FILING DATE: 2000-07-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8002, Application US/10131827
Publication No. US20040009479A1
Publication No. US20040009479A1
APPLICANT: Wollgemuth, Jay
APPLICANT: Woodward, Robert
APPLICANT: No Woodward, Robert
APPLICANT: Ly, Ngoc Trink Ngoc Trink OF INTENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUNE
TITLE OF INVENTION: CHRONIC INPLAMMATORY DISEASES
FILE REFERENCE: 506612000120
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JUNCAL 3.

Sequence 18, Application US/10431598

Publication No. US200400974541

GENERAL INFORMATION:

APPLICANT: REUSCA, Jane E.

APPLICANT: ARENEW, Dwight J.

TITLE OF INVENTION: Wight J.

CURRENT APPLICATION WHEER: 2848-34 (now 5111-1)

CURRENT APPLICATION NUMBER: US/10/431,598

CURRENT FILING DATE: 20.32-05-06

NUMBER OF SEQ ID NOS: 21

SEQ ID NO 18

LENGTH: 60
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9.5%; Score 60; DB

Best Local Similarity 100.0%; Pred. No. 0.3

Matches 60; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
                             MASSERMAN, Alon
APPLICANT: SHOSHAN, Avi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-09-908-975-12576
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US-10-131-827-8002
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LENGTH: 60
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Sequence 16, Application US/10688572
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Chen, Xiaoli
APPLICANT: Demarcet, Xeith
APPLICANT: Demarcet, Xeith
APPLICANT: Lee, Jung
APPLICANT: Mycynski, Philip
TITLE OF INVENTION: Treating Syndrome X with Substituted Tetralins and Indanes
FILE REFERENCE: PRD-0050
CURRENT APPLICATION NUMBER: US/10/688,572
CURRENT FILING DATE: 2003-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 5.2%; Score 33; DB 1; Length 33; Best Local Similarity 100.0%; Pred. No. 8.4; Matches 33; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:

APPLICANT: Chen, Xiaoli
APPLICANT: Chen, Xiaoli
APPLICANT: Demarcet, Keith
APPLICANT: Demarcet, Keith
APPLICANT: Demarcet, Keith
APPLICANT: Matthews, Jay M.
APPLICANT: Matthews, Jay M.
APPLICANT: Ryberynski, Philip
TITLE OF INVENTION: Substituted Tetralins and Indanes
FILE REFERENCE: PRD0048 NP
CURRENT FAPLICATION NUMBER: 00/419,927
FRIOR APPLICATION NUMBER: 00/419,927
FRIOR APPLICATION NUMBER: 60/495,758
FRIOR RILING DATE: 2003-10-21
FRIOR PILING DATE: 2003-08-15
FRIOR FILING DATE: 2003-08-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            237 AAAAATACTGAGATTTCCTTCATACTGGGCCAG 269
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CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/420,026
PRIOR FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: 60/495,788
PRIOR FILING DATE: 2003-08-15
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 17
LENGTH: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 17, Application US/10688380; Publication No. US20040171680A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-10-688-380-17
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US-10-688-572-16/c
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APPLICANT: Chen, Xiaoli
APPLICANT: Chen, Xiaoli
APPLICANT: Chen, Xiaoli
APPLICANT: Demarcet, Keith T
APPLICANT: Demarcet, Keith T
APPLICANT: Matchews, Jay M
APPLICANT: Rydocynski, Philip
CURRENT APPLICATION NUMBER: 06/420,026
PRIOR PILING DATE: 2002-10-21
PRIOR FILING DATE: 2003-10-21
PRIOR FILING DATE: 2003-10-31
PRIOR FILING DATE: 2003-10-31
SPIOR FILING DATE: 2003-10-31
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
SEQ ID NO 16
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4.6%; Score 29; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 29; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                  4.6%; Score 29; DB 1; Length 29; 100.0%; Pred. No. 13; tive 0; Mismatches 0; Indels.
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Sequence 16, Application US/10688380

Publication No. US2040171680A1

GENERAL INFORMATION:
APPLICANT: Janssen Pharmaceutica, N.V.
APPLICANT: Chen, Xiaoli
APPLICANT: Demarest, Keith
APPLICANT: Demarest, Keith
APPLICANT: Matthews, Jaw M. -,
APPLICANT: Matthews, Jaw M. -,
APPLICANT: Pybczynski, Philip
TITLE OF INVENTION: Substituted Tetralins and Indanes
FILE REFERENCE: PRD048 NP
CURRENT APPLICATION NUMBER: US/10/688,380

CURRENT FILING DATE: 2003-10-17

PRIOR APPLICATION NUMBER: 60/419,927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          208 TGATCACCATTAAATCTGAAAGTACCTTT 236
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PRIOR APPLICATION NUMBER: 60/419,927
PRIOR FILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: 60/495,758
PRIOR FILING DATE: 2003-08-15
NUMBER OF SEQ ID NOS: 20
SOFWMARE: Patentin version 3.2
SEQ ID NO 16
LENGTH: 29
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) Sequence 16. Application US/10688379

; Publication No. US20040167211A1

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 100.0
Matches 29; Conservative
                                                                                                                                                                                                                                      TYPE: DNA
CORGANISM: Homo sapiens
US-10-688-572-16
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ORGANISM: Homo sapiens
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Sequence 15, Application US/0990461B

Sequence 15, Application US/0990461B

Publication No. US20030083329A1

GBNERAL INFORMATION:

APPLICANT: Et al.

APPLICANT: Et al.

TILLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES

FILE REFERENCE: pm431, patin2.1

CURRENT APPLICATION UNDBER: US/09/990,461B

CURRENT PILING DATE: 201-11-21

NUMBER OF SEQ ID NOS: 15

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 15

LENGTH: 26
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                                                                                                                                                                                                                                                                                                                               Sequence 15, Application US/09854302

Batent No. US2002016528A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Rybczynski, Philip
APPLICANT: Rybczynski, Philip
APPLICANT: et al.
TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
FILE REFERRNCE: pm431, pating.1
CURRENT APPLICATION NUMBER: US/09/854,302
CURRENT APPLICATION NUMBER: US/09/854,302
SOFTWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: primer US-09-990-461B-15
                                                              Query Match 4.1%; Score 26; DB 1; Length 26; Best Local Similarity 100.08; Pred. No. 17; Matches 26; Conservative 0; Mismatches 0; Indels
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red. No. 17;
Mismatches 0; Indels
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4.1%; Score 26; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 26; Conservative 0; Mismatches 0; Indels
                                                                                                                                                               90 AAACTTGTCTCCAGTGAAAACTTTGA 115
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Best Local Similarity 100.0%; Pred. No.
Matches 26; Conservative 0; Mismatch
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                               US-09-854-302-15/c
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US-10-688-572-15/c
                  US-09-853-798-15
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LENGTH: 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 281, Application US/10384491
| Publication No. US20030224040A1
| Publication No. US2003224040A1
| GENERAL INFORMATION:
| APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
| APPLICANT: HERMAN, James
| APPLICANT: HERMAN, James
| APPLICANT: BUZUKI, HICOMU
| TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED GENES ASSOCIATED WITH
| TITLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED GENES ASSOCIATED WITH
| FILE REFERENCE: JHU1850-1
| CURRENT FILING DATE: 2003-03-07
| PRIOR FILING DATE: 2002-03-07
| PRIOR FILING DATE: 2002-03-07
| NUMBER OF SEQ ID NOS\*> 296
| SSOCIAMRE: PACHLEIN VERSION 3.1
| SSOCIAMRE: PACHLEIN VERSION 3.1
| LEAST SEQ ID NOS 296
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APPLICANT: Rybergus,
APPLICANT: et al.
TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
CURRENT APPLICATION NUMBER: US/09/853,798
CURRENT FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 15
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 15
LENGTH: 26
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OTHER INFORMATION: Description of Artificial Sequence: primer
                                                                                                                                                                                                                                                                                DB 1; Length 29;
13;
                                                                                                                                                                                                                                                                                                                                 Indels
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4.3%; Score 27; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 27; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                           4.6%; Score 29; DB
ilarity 100.0%; Pred. No. 13;
Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                           208 TGATCACCATTAAATCTGAAAGTACCTTT 236
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Amplification primer
US-10-384-491-281
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PRIOR FILING DATE: 2002-10-21
PRIOR APPLICATION WUMBER: 60/495,758
PRIOR FILING DATE: 2003-08-15
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin version 3.2
SEQ ID NOS: 29
LENGTH: 29
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Patent No. US20020103193A1
GENERAL INFORMATION:
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                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-384-491-281/c
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US-09-853-798-15/c
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                                                                                                                                                                          TYPE: DNA
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US-10-688-572-19/c
; Sequence 19, Application US/10688572
; Publication No. US20040162352A1
; GRNERAL INPORMATION:
; APPLICANT: Janssen Pharmaceutica, N.V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
Publication No. US20040171680A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapiens
US-10-688-380-15
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Matches
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                                                                                                APPLICANT: Chen, Xiaoli, APPLICANT: Chen, Xiaoli, APPLICANT: Demarest, Keith APPLICANT: Demarest, Keith APPLICANT: Demarest, Keith APPLICANT: Dee, Jung APPLICANT: Matthews, Jay M APPLICANT: Rybczynski, Philip ITILE OF INVENTION: Treating Syndrome X with Substituted Tetralins and Indanes; TILE REPERENCE: PRO-0050; CURRENT APPLICATION NUMBER: 00/419,927 PRIOR FILING DATE: 2003-10-17 PRIOR FILING DATE: 2003-10-14; PRIOR FILING DATE: 2003-208-15 NUMBER OF SEQ ID NOS: 20 SOFTWARE: Patentin version 3.2 SEQ ID NO 15
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Publication No. US20040167211A1
GENERAL INFORMATION:
PAPLICANT: Ones Pharmaceutica, N.V.
APPLICANT: Chen, Xiaoli
APPLICANT: Demarest, Keith T
APPLICANT: Matchews, Jay M
APPLICANT: NETHON FOR USING SUBSTITUTED TETRALINS AND INDANES
TITLE OF INVENTION: WIMBER: 10510/668,379
CURRENT APPLICATION NUMBER: 60420,026
FRICR FILING DATE: 2002-10-17
FRICR FILING DATE: 2002-10-21
FRICR FILING DATE: 2002-10-21
FRICR FILING DATE: 2003-08-15
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin version 3.2
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Sequence 15, Application US/10688572
Publication No. US20040162352A1
GENERAL INFORMATION:
APPLICANT: Janssen Pharmaceutica, N.V.
APPLICANT: Chen, Xiaoli
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US-10-688-380-15/c
; Sequence 15, Application US/10688380
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CORGANISM: Homo sapiens
US-10-688-572-15
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Sequence 282, Application US/10384491
| Sequence 282, Application No. US2030224040A1
| Publication No. US2030224040A1
| GENERAL INFORMATION:
| APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
| APPLICANT: HERMAN, James
| APPLICANT: BAYLIN, Stephen B. APPLICANT: BUZUKi, Hiromu
| TILLE OF INVENTION: GENOMIC SCREEN FOR EPIGENETICALLY SILENCED GENES ASSOCIATED WITH (CURRENT PRINTED BATE: 2003-03-07
| CURRENT APPLICATION NUMBER: US/10/384,491
| CURRENT PRINTED BATE: 2003-03-07
| PRIOR FILING DATE: 2003-03-07
| NUMBER OF SEQ ID NOS: 296
| SEQ ID NO 282
| LENGTH: 24
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APPLICANT: Janssen Pharmaceutica, N.V.
APPLICANT: Chen. Xiaoli
APPLICANT: Chen. Xiaoli
APPLICANT: Demarest, Reith
APPLICANT: Demarest, Reith
APPLICANT: Demarest, Reith
APPLICANT: Matthews, Jay M.
APPLICANT: Mythews, Jay M.
APPLICANT: Rybczynski, Philip
ITILE REFERENCE: PRD0048 NP
ITILE REFERENCE: PRD0048 NP
ITILE REFERENCE: PRD0048 NP
ITILE REPARENCE: PRD0048 NP
ITILE REFERENCE: PRD0048 NP
ITILE REFERENCE: RD0048 NP
ITILE DET INCO DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/419,927
PRIOR APPLICATION NUMBER: 60/495,758
PRIOR APPLICATION NUMBER: 60/495,758
PRIOR APPLICATION NUMBER: 60/495,758
PRIOR APPLICATION NUMBER: 60/495,758
PRIOR APPLICATION NUMBER: 2003-08-15
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.2
IEBUGH: 26
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Matches
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                                            APPLICANT: Lee, Jung
APPLICANT: Matthews, Jay M
APPLICANT: Rybczynski, Philip
ITILE OF INVENTION: Treating Syndrome X with Substituted Tetralins and Indanes
TITLE OF INVENTION: Treating Syndrome X with Substituted Tetralins and Indanes
FILE REFRENCE: PRD-0050
FURENT APPLICATION NUMBER: US/10/688,572
CURRENT FILING DATE: 2003-10-17
PRIOR FILING DATE: 2002-10-17
PRIOR FILING DATE: 2002-10-21
PRIOR FILING DATE: 2003-08-15
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APPLICANT: Chen, Xiaoli
APPLICANT: Chen, Xiaoli
APPLICANT: Chen, Xiaoli
APPLICANT: Demarcest, Keith T
APPLICANT: Ambler, Jung Lee
APPLICANT: Matthews, Jay M
APPLICANT: Mythews, Jay M
APPLICANT: Ryberynaki, Philip
TITLE OF INVENTION: METHODS OF USING SUBSTITUTED TETRALINS AND INDANES
FILE REFERENCE: PRD-0049 NP
CURRENT PILING DATE: 2003-10-21
PRIOR PLING DATE: 2003-10-21
PRIOR PLING DATE: 2003-10-21
PRIOR PLING DATE: 2003-0-15
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn version 3.2
SEQ ID NO 19
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Publication No. US20040171680A1
GENERAL INFORMATION:
APPLICANT: Janssen Pharmaceutica, N.V.
APPLICANT: Chen, Xiaoli
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 19
                        Demarest, Keith
Chen, Xiaoli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-688-379-19
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US-10-688-379-19/c
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APPLICANT:
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US-10-688-572-18/C

US-10-688-572-18/C

Sequence 18, Application US/10688572

Publication No. US2004016235241

GENERAL INFORMATION:
APPLICANT: Janssen Pharmaceutica, N.V.
APPLICANT: Chen, Xiaoli
APPLICANT: Lee, July M
APPLICANT: Lee, July M
APPLICANT: Rybczynski, Philip
TITLE OF INVENTION: Treating Syndrome X with Substituted Tetralins and Indanes
FILE REPERENCE: PRD-0050
CURRENT FILING DATE: 2003-10-17
PRIOR PRILING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: 60/499, 758
PRIOR PRILING DATE: 2003-08-15

NUMBER OF SEQ ID NOS: 20

SOC ID NO 18
LENTHAE: PatentIN version 3.2

SEQ ID NO 18
LENTH: 23
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                          APPLICANT: Lee, Jung
APPLICANT: Matthews, Jay M.
APPLICANT: Matthews, Jay M.
APPLICANT: Matthews, Philip
TITLE OF INVENTION: Substituted Tetralins and Indanes
TITLE OF INVENTION: Substituted Tetralins and Indanes
CURRENT APPLICATION NUMBER: US/10/688,380
CURRENT FILING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/419,927
PRIOR APPLICATION NUMBER: 60/419,927
PRIOR APPLICATION NUMBER: 60/419,927
PRIOR APPLICATION NUMBER: 2002-10-21
PRIOR APPLICATION NUMBER: 2002-10-51
PRIOR APPLICATION NUMBER: 2002-15
NUMBER OF SEQ. 1D NOS: 20
SOFTWARE: PatentIn version 3.2
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APPLICANT: Janssen Pharmaceutica, N.V. APPLICANT: Chen, Xiaoli
APPLICANT: Demarest, Keith T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       270 GAATTTGACGAAGTCACTGCAGA 292
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Demarest, Keith
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
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US-10-688-572-18
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 19
LENGTH: 24
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Query Match
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APPLICANT: Ambler, Jung Lee
APPLICANT: Matthews, Jay M
APPLICANT: Matthews, Jay M
APPLICANT: Rybczynski, Philip
ITILE OF INVENTY PRIDOR OF USING SUBSTITUTED TETRALINS AND INDANES
FILE REFERENCE: PRD-0049 NP
CURRENT APPLICATION NUMBER: 05/420,026
PRIOR PLING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/420,026
PRIOR APPLICATION NUMBER: 60/420,026
PRIOR APPLICATION NUMBER: 60/495,788
PRIOR PLING DATE: 2003-00-15
PRIOR PLING DATE: 2003-00-15
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 3.6%; Score 23; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 23; Matches 23; Conservative 0; Mismatches 0; Indels
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Sequence 18, Application US/10688380;
Publication No. US2004011680A1
GENERAL INFORMATION:
APPLICANT: Jansen Pharmaceutica, N.V.
APPLICANT: Lee, Jung
APPLICANT: Lee, Jung
APPLICANT: Mathews, Jay M.
APPLICANT: Rybczynski, Philip
TILES OF INVENTION: Substituted Tetralins and Indanes;
FILE REFERENCE: PRO0048 NP
CURRENT APPLICATION NUMBER: US/10/688,380;
CURRENT APPLICATION NUMBER: 60/419,927
PRIOR FILING DATE: 2002-10-21;
PRIOR FILING DATE: 2002-10-21;
PRIOR FILING DATE: 2002-10-21;
PRIOR FILING DATE: 2002-10-21;
NUMBER OF SEQ ID NOS: 20;
SOFTWARE: Patentin version 3.2;
SOFTWARE: Patentin version 3.2
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Sequence 24, Application US/10348480B
GENERAL INFORMATION:
APPLICANT: Nestec A.G.
TITLE OF INVENTION: Pre-adipose cell lines
FILE REFERENCE: 88265-6004
CURRENT APPLICATION NUMBER: US/10/348,480B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                270 GAATTIGACGAAGICACIGCAGA 292
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                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
CORGANISM: Homo sapiens
US-10-688-379-18
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-688-380-18/c
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LENGTH: 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ;
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Publication No. US20030082152A1

GENERAL INFORMATION:

APPLICANT: Kacz, Adam J.

APPLICANT: Farz, Adam J.

APPLICANT: Farz, Adam J.

APPLICANT: Furell, J. William

APPLICANT: Hedrick, Marc H.

APPLICANT: Lorenz, Hermann Peter

CURRENT FILING DATE: 1099-03-10

PRIOR PELING DATE: 1999-03-10

PRIOR PELING DATE: 1998-10-10

PRIOR PERIOR PELING DATE: 1998-10-10

PRIOR PERIOR DATE: 1998-10-10

PRIOR PERIOR PELING DATE: 1998-10-10

PRIOR PERIOR PELING DATE: 1998-10-10

PRIOR PERIOR PELING DATE: 1998-10
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100.0%; Pred. No. 29;
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CURRENT FILING DATE: 2003-03-25
PRIOR APPLICATION NUMBER: EP 00115489.7
PRIOR PILING DATE: 2000-07-18
PRIOR PELLING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin version 3.1
LENGTH: 21
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Sequence 15, Application US/10416090
Publication No. US20040071711A1
GENERAL INFORMATION:
APPLICANT: Bicknell , Roy
APPLICANT: Huminiecki, Lukasz
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; OTHER INFORMATION: DNA
US-10-348-480B-24
                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: homo sapien
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Matches 20; Conserva
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING ADIPOCYTES FILE REPERENCE: CIBT-F01-083
CURRENT APPLICATION NUMBER: US/09/795,917
CURRENT FILING DATE: 2001-02-28
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 33
LENGTH: 20
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29;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TILE OF INVENTION: Pre-adipose cell lines
FILE REFERENCE: 8026-6004
CURRENT APPLICATION NUMBER: US/10/348,480B
CURRENT FILING DATE: 2003-03-25
PRIOR APPLICATION NUMBER: BP 00115489.7
PRIOR FILING DATE: 2000-07-18
PRIOR FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 34
SEQ ID NO 11
SEQ ID NO 11
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3.2%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 29; Matches 20; Conservative 0; Mismatches
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Sequence 12, Application US/10348480B
PUBLICACTION VO. US20030175957A1
GENERAL INFORMATION:
APPLICAMT: Nestec A.G.
TITLE OF INVENTION: Pre-adipose cell lines
FILE REFRENCE: 88265-604
CURRENT APPLICATION NUMBER: US/10/348,480B
CURRENT FILING DATE: 2003-02-25
FRIOR FILING DATE: 2000-07-18
FRIOR FILING DATE: 2000-07-18
FRIOR FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 34
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3.2%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 29;
Matches 20; Conservative 0; Mismatches
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Publication No. US20030175957A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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COTHER INFORMATION: DNA
US-10-348-480B-11
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ORGANISM: homo sapien
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US-10-348-480B-11
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TITLE OF INVENTION: IMAGING, DIAGNOSIS AND TREATMENT OF TITLE OF INVENTION: DISEASE, FILE REFERENCE: 12795-05.501.
CURRENT APPLICATION NUMBER: US/10/416,090
CURRENT FILING DATE: 2003-10-15
PRIOR APPLICATION NUMBER: US CT/USO1/04906
PRIOR PILING DATE: 2001-11-06
PRIOR PILING DATE: 2001-11-06
PRIOR APPLICATION NUMBER: US 60/245,566
PRIOR APPLICATION NUMBER: US 60/273,662
PRIOR APPLICATION NUMBER: US 60/273,662
PRIOR PILING DATE: 2001-03-07
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PASELSEQ for Windows Version 4.0
SEQ ID NO 15
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 3.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 29; Matches 20; Conservative 0; Mismatches 0; Indels
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| Publication No. US20040071711A1
| GENERAL INFORMATION:
| APPLICANT: Bicknell , Roy
| APPLICANT: Himiniecki, Lukasz
| TITLE OF INVENTION: IMAGING, DIAGNOSIS AND TREATMENT OF
| TITLE OF INVENTION: USGEASE
| FILE REFERENCE: 12795-015US1
| CURRENT APPLICATION NUMBER: US/10/416,090
| CURRENT APPLICATION NUMBER: PCT/US01/04906
| PRIOR APPLICATION NUMBER: US 60/245,566
| PRIOR APPLICATION NUMBER: US 60/245,566
| PRIOR PELING DATE: 2001-11-06
| PRIOR FILING DATE: 2001-03-07
| NUMBER OF SEQ ID NOS: 50
| SOFTWARE: FASESEQ FOR Windows Version 4.0
| LEAST OF THE CONTRACT O
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Primer
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Sequence 33, Application US/09795917 Publication No. US20040171533A1 GENERAL INFORMATION:

RESULT 29 US-09-795-917-33

APPLICANT: Zehentner et al

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3.0%; Score 19; DB 1; Length 19;
100.0%; Pred. No. 32;
live 0; Mismatches 0; Indels
3.0%; Score 19; DB 1; Length 19;
100.0%; Pred. No. 32;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                        ; Sequence 20, Application US/10688572; Publication No. US20040162352A1; GENERAL INFORMATION:
                                                                                     399 AAACTGGTGGTGGAATGCG 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      417 GTCATGAAAGGCGTCACTT 435
                                                                                                                             1 AAACTGGTGGTGGAATGCG 19
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Query Match
Best Local Similarity 100.0
Matches 19; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                       US-10-688-572-20/c
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Publication No. US2004017153341

GENERAL INFORMATION:

APPLICANT: Zehentner et al.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REGULATING ADIPOCYTES

FILE REPERENCE: CIET-P01-083

CURRENT APPLICATION WUMBER: US/09/795,917

CURRENT APPLICATION WUMBER: 60/186,058

PRIOR APPLICATION WUMBER: 60/186,058

NUMBER OF SEQ ID NOS: 38

SSOTWARE: Patentin Ver. 2.1

SSOTURN 34

LENGTH: 19
                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                        Query Match 3.2%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 29; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 33
US-10-348-480B-23
i Sequence 23, Application US/10348480B
; Publication No. US20030175957A1
GENERAL INFORMATION:
APPLICANT: Nestec A.C.
FILE REFERENCE: 88265-6004
CURRENT APPLICATION NUMBER: US/10/348,480B
CURRENT APPLICATION NUMBER: EP 00115489.7
PRIOR FILING DATE: 2003-03-25
PRIOR FILING DATE: 2000-07-18
; PRIOR FILING DATE: 2000-07-18
; PRIOR FILING DATE: 2001-07-13
NUMBER OF SEQ ID NOS: 34
; SOFTWARE: Patentin version 3:1
; SEQ ID NO 23
LENGTH: 19
                                                                                                                                                                                                                                                                                  471 CGTIGACCIGGACTGAAGIT 490
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                                                                                                                                                                                                                                                                                                               20 CGTTGACCTGGACTGAAGTT 1
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ORGANISM: Artificial Sequence
SOFTWARE: PatentIn version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CTHER INFORMATION: primer US-09-795-917-34
                                                                                                                      , OTHER INFORMATION: DNA US-10-348-480B-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: homo sapien
                                                                  TYPE: DNA ORGANISM: homo sapien
                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-795-917-34/C
                  SEQ ID NO 12
LENGTH: 20
                                                                                                          FEATURE:
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y General Information (A. M. V. APPLICANT: Janssen Pharmaceutica, N. V. APPLICANT: Janssen Pharmaceutica, N. V. APPLICANT: Chen, Xiaoli (A. APPLICANT: Chen, Xiaoli (A. APPLICANT: Chen, Ving) (A. APPLICANT: Demarest, Kaith (A. APPLICANT: Matthews, Jay M. APPLICANT: Matthews, Jay M. APPLICANT: Matthews, Jay M. APPLICANT: Matthews, Jay M. APPLICANTON Treating Syndrome X with Substituted Tetraline and Indanes (CIBRENT PELICANTON NUMBER: US/10/688,572 (CIBRENT PELICANTON NUMBER: 60/419,927 (CIBRENT PELICANTON NUMBER: 60/419,927 (CIBRENT PELICANTON NUMBER: 60/419,927 (CIBRENT PELICANTON NUMBER: 60/419,927 (CIBRENT PELICANTON NUMBER: 60/495,758 (CIBRENT PELICANTON NOWER: 6
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US-10-688-379-20/C
US-10-688-379-20/C
Sequence 20, Application US/10688379
Publication No. US20040167211A1
GENERAL INFORMATION:
APPLICANT: Janssen Pharmaceutica, N.V.
APPLICANT: Chen, Xiaoli
APPLICANT: Demarest, Keith T
APPLICANT: Demarest, Philip
TITLE OF INFORMATION NETHORS OF USING SUBSTITUTED TETRALINS AND INDANES
FILE REFERENCE: PRD-0049 NP
TITLE OF INFORMATION NUMBER: US/10/688,379
CURRENT APPLICATION NUMBER: 60/490,026
PRIOR PELING DATE: 2002-10-17
PRIOR PLING DATE: 2002-10-21
PRIOR APPLICATION NUMBER: 60/490,788
PRIOR APPLICATION NUMBER: 60/490,788
PRIOR PLING DATE: 2003-10-17
PRIOR PLING DATE: 2003-10-17
PRIOR APPLICATION NUMBER: 60/490,788
PRIOR PLING DATE: 2003-10-17
SEQ ID NOS: 20
SOTIARE: PatentIn version 3.2
SEQ ID NO 20
LENGTH: 19
Gaps
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) OTHER INFORMATION: Description of Artificial Sequence: aP2 reverse ; OTHER INFORMATION: primer US-09-952-522B-28
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Pred. No. 35;
4; Mismatches 0; Indels
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100.0%; Pred. No. 33;
iive 0; Mismatches (
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Sequence 8, Application US/10116265

Sequence 8, Application US/10116265

Publication No. US20030077612A1

SERERAL INFORMATION:

APPLICANT: Ekblom, Jonas

TILE REFERENCE: 13425-105001

CURRENT APPLICATION NUMBER: US/10/116,265

CURRENT APPLICATION NUMBER: SE 0101218-6

PRIOR PILING DATE: 2001-04-05

PRIOR PILING DATE: 2001-04-05

PRIOR PILING DATE: 2001-04-05

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FastSEQ for Windows Version 4.0

SEG ID NO 8

LENGTH: 18
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Argue, Brad T.
Bartholomay, Christian T.
Chehak, LuAnne
Curtis, Michelle L.
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Publication No. US20030186238A1
GENERAL INFORMATION:
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Olson, Sarah M.
Olson-Munoz, Marilyn C.
Schaefer, James J.
Skrzypczynski, Zbigniew
Takova, Tsetska Y.
Thompson, Lisa C.
Vedvik, Kevin L.
                                                                                                                                                                                                                                                                                                                                            259 TACTGGGCCAGGAATTTGA 277
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Lukowiak, Andrew A.
Lyamichev, Victor
Lymaicheva, Natalie E.
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Matches 19; Conservative
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Hall, Jeff G.
Ip, Hon S.
Ji, Lin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
CAGANISM: Homo sapiens
US-10-116-265-8
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Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                Query Match
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APPLICANT: Katz, Adam J.

APPLICANT: Katz, Adam J.

APPLICANT: Liull, Ramon

APPLICANT: Liull, Ramon

APPLICANT: Hedrick, March.

APPLICANT: Hedrick, March.

APPLICANT: Benhaim, Prosper

APPLICANT: Lorenz, Hermann Peter

APPLICANT: Lorenz, Hermann Peter

APPLICANT: Lorenz, Hermann Peter

APPLICANT: Lorenz, Hermann Peter

APPLICANT: Chu, Min

ITILE OF INVENTION: ADIPOSE-DERIVED STEM CELLS AND LATTICES

CURRENT APPLICATION NUMBER: DS01.09-10

FRIOR APPLICATION NUMBER: PCT/US00/06232

PRIOR FILING DATE: 1999-10-29

PRIOR FILING DATE: 1999-10-29

PRIOR FILING DATE: 1999-10-29

MUMBER OF SEQ ID NOS: 58

SOSTWARE: Patentin Ver: 2.1

SEQ ID NO 28

***INVENTION NUMBER: CONDITION NUMBER: CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 3.0%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 32; Matches 19; Conservative 0; Mismatches 0; Indels
                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/10688380
| Publication No. US20040171680A1
| GRUERAL INFORMATION:
| APPLICANT: Uncommented the control of the con
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        Pred. No. 32;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 19; Conservative 0; Mismatches
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                                                                                                                     417 GTCATGAAAGGCGTCACTT 435
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                                                                                                                                                                                                 19 Grcargaaagccrcacrr 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-688-380-20
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Best Local Similarity 94.7%; Pred. No. 39;
Matches 18; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                       DB 1; Length 19;
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APPLICANT: Thomoson, Lisa C.
APPLICANT: Vedvik, Kevin L.
TILE OF INVENTION: RNA Detection Assays
FILE REFERENCE: FORS-06666
CURRENT APPLICATION NUMBER: US/10/084,839
CURRENT PILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 4004
SOFTWARE: Patentin version 3.1
SEQ ID NO 3086
LENGTH: 19
TITLE OF INVENTION: RNA Detection Assays
FILE REFERENCE: FORS-0666
CURRENT APPLICATION NUMBER: US/10/084,839
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 4004
SOFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 3080
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kaiser, Michael
Kwiatkowski, Jr., Robert W.
Lukowiak, Andrew A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3086, Application US/10084839 Publication No. US20030186238A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Allawi, Hatim
Argue, Brad T.
Bartholomay, Christian T.
Chebak, LuAnne
Curtis, Michelle L.
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Olson, Sarah M.
Olson-Munoz, Marilyn C.
Schaefer, James J.
Skrzypczynski, Zbigniew
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Lymaicheva, Natalie E.
                                                                                                                                                                                                                                                                                                                                                                                          19 AGATTTCCTTCAAACTGGG 1
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ORGANISM: Artificial Sequence
                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                    ; OTHER INFORMATION: Synthetic US-10-084-839-3080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) OTHER INFORMATION: Synthetic US-10-084-839-3086
                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 94.7%
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eis, Peggy S.
Hall, Jeff G.
Ip, Hon S.
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US-10-084-839-3086/c
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Thompson, Lisa C.
APPLICANT: Vedvik, Kevin L.
TITLE OF INVENTION: RNA Detection Assays
FILE REPERBNCE: FORS-6666
CURRENT APPLICATION NUMBER: US/10/084,839
CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 4004
SOFTWARE: Patentin version 3.1
SEQ ID NO 3083
LENGTH: 20
                                                                                                                                                                                                                                                                                                Kaiser, Michael
Kwiatkowski, Jr., Robert W.
Lukowiak, Andrew A.
                                                                                                     Allawi, Hatim
Argue, Brad T.
Bartholomay, Christian T.
Chehak, LuAnne
Curtis, Michelle L.
             Sequence 3083, Application US/10084839; Publication No. US20030186238A1; GENERAL INFORMATION:
APPLICANT: Third Wave Technologies; APPLICANT: Allawi, Hatim APPLICANT: Argue, Brad T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 164, Application US/09972211; Publication No. US20040048245A1; GENERAL INFORMATION:
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APPLICANT: Taupier Jr, Raymond J
APPLICANT: Burgess, Catherine E
APPLICANT: Berbess, Peter S
APPLICANT: Rezes, Peter S
APPLICANT: Rastelli, Luca
APPLICANT: Alsobrook II, John P
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Olson, Sarah M.
Olson-Munoz, Marilyn C.
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Skrzypczynski, Zbigniew
Takova, Tsetska Y.
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Lymaicheva, Natalie E.
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Spytek, Kimberly Ann
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ORGANISM: Artificial Sequence
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Edinger, Shlomit
Gerlach, Valerie
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Matches 18; Conserva
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US-10-084-839-3083/c
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APPLICANT:
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APPLICANT: MILLER, TSABLE APPLICANT: MILLER, METABON, Glemend APPLICANT: MILLER, METABON, Glemend APPLICANT: MILLER APPLICANTION: NO USZOO 40068058Alel Human Proteins, Polymucleotides Encoding The TILLE OF INVENTION: Methods of Using The Same CURRENT PALLO APPLICATION WINDER: 03/10,111

PRIOR APPLICATION WINDER: 03/02,211

PRIOR APPLICATION WINDER: 60/28,323

PRIOR APPLICATION WINDER: 60/28,323

PRIOR APPLICATION WINDER: 60/28,400

PRIOR APPLICATION WINDER: 60/28,400

PRIOR APPLICATION WINDER: 60/28,401

PRIOR APPLICATION WINDER: 60/28,401

PRIOR APPLICATION WINDER: 60/28,401

PRIOR APPLICATION WINDER: 60/28,401

PRIOR APPLICATION WINDER: 60/28,333

PRIOR APPLICATION WINDER: 60/28,93

PRIOR APPLICATION WINDER: 60/28,93

PRIOR APPLICATION WINDER: 60/28,60

PRIOR APPLICATION WINDER: 60/28,93

PRIOR APPLICATION WINDER: 60/
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US-10-096-625-164
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2.6%; Score 16.8; E
Best Local Similarity 90.0%; Pred. No. 45;
Matches 18; Conservative 0; Mismatches
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       Alsobrook II, John P
                                             Lepley, Denise M
Spytek, Kimberly Ann
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Bdinger, Shlomit
Gerlach, Valerie
Ellerman, Karen
MacDougall, John R
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ORGANISM: Artificial Sequence
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APPLICANT: Bachougall, John R
APPLICANT: MacDougall, John R
APPLICANT: MacDougall, John R
APPLICANT: Gmither, Estain
APPLICANT: Gmither, Estain
APPLICANT: Gmithen, Clemad
APPLICANT: Smitheon, Clemad
APPLICANT: Smitheon, Clemad
APPLICANT: Sceneres Jr. Edward S
ITILE OF INVENTION: Not. US20040046245Aalel Human Proteins, Polynucleotides Encoding Th
ITILE OF INVENTION: Not. US20040046245Aalel Human Proteins, Polynucleotides Encoding Th
ITILE OF INVENTION: Not. US20040046245Aalel Human Proteins, Polynucleotides Encoding Th
ITILE OF INVENTION: Not. US200400406245Aalel Human Proteins, Polynucleotides Encoding Th
ITILE OF INVENTION: NOT. 0000-10-05
PRIOR FILING DATE: 2001-10-05
PRIOR FILING DATE: 2000-10-05
PRIOR FILING DATE: 2000-10-06
PRIOR APPLICATION NUMBER: 60/28, 373
PRIOR FILING DATE: 2000-10-06
PRIOR APPLICATION NUMBER: 60/28, 333
PRIOR PRIOR FILING DATE: 2000-10-06
PRIOR APPLICATION NUMBER: 60/28, 332
PRIOR PRIOR PRIOR ENTERS ENTER
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2.6%; Score 16.8; Dest Local Similarity 90.0%; Pred. No. 45; Matches 18; Conservative 0; Mismatches
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Publication No. US20040068095A1
GENERAL INFORMATION:
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APPLICANT: Taupier Jr, Raymond J
APPLICANT: Burgess, Catherine E
APPLICANT: Zerhusen, Bryan D
APPLICANT: Resealli, Luca
APPLICANT: Rastelli, Luca
APPLICANT: Malyankar, Uriel M
APPLICANT: Grosse, William M
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ORGANISM: Artificial Sequence
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FEATURE:
NAMENTER:
NAMENTER:
LOCATION: 1..18
OTHER INFORMATION: downstream amplification primer 99-6549 for SEQ 3579, in complemen US-10-349-143-11444
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; Sequence 7744, Application US/20349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Bialielic markers for use in constructing a high density...
FILE REFERENCE: GENERI-0200P1
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT FILING DATE: 1999-10-20
PRIOR PILING DATE: 1999-10-20
PRIOR PILING DATE: BARLIER APPLICATION NUMBER: US 60/109,732
PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NOS: 11796
                                                                                                                                                                                                                                                                                                   APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, 11ya
1TILE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REPRENCE: GENSET.020C1
CURRENT APPLICATION NUMBER: US/10/349,143
CURRENT PILING DATE: 2003-01-21
CURRENT FILING DATE: 1999-10-20
PRIOR FILING DATE: BARLIER APPLICATION NUMBER: US 60/109,732
PRIOR PLILNG DATE: BARLIER FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: BARLIER FILING DATE: 1998-11-23
PRIOR PILING DATE: EARLIER FILING DATE: 1998-11-23
PRIOR PILING DATE: EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 11444
LENGTH: 18
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2.4%; Score,15.4; DB 1; Length 18;
Best Local Similarity 94.1%; Pred. No. 48;
Matches 16; Conservative 0; Mismatches 1; Indels
  Mismatches
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Publication No. US20040005584A1
GENERAL INFORMATION:
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                                                  8 CAGGAGGGTGCAGCTTC 24
                                                                                               17 CAGGAGGGTTCAGCTTC
     16; Conservative
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ORGANISM: Homo Sapiens
FEATURE:
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ORGANISM: Homo Sapiens
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US-10-349-143-11444
       Matches
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APPLICANT: Ribosyme Pharmaceuticals, Inc.
APPLICANT: Ribosyme Pharmaceuticals, Inc.
APPLICANT: McSwidgen, James
TITLE OF INVENTION: Nucleic Treatment of Diseases or Conditions Related to Level
FILE REPERBNCE: 400/057 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT APPLICATION NUMBER: US/20840
PRIOR PILING DATE: 2002-05-29
PRIOR PILING DATE: 2002-05-29
RRIOR PILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 466
SOFTWARE: Patentin version 3.0
SEQ ID NO 3142
LENGTH: 17
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Pred. No. 46;
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APPLICANT: Vedvik, Kevin L.
TILE OF INVENTION: RNA Decection Assays
FILE REFERENCE: FORS-06666
CURRENT APPLICATION NUMBER: US/10/084,839
CURRENT FILING DATE: 2002-02-26
                                                    Allawi, Hatim
Argue, Brad T.
Bartholomay, Christian T.
Chehak, LuAnne
Curtis, Michelle L.
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Olson, Sarah M.
Olson-Munoz, Marilyn C.
Schaefer, James J.
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                                   hird Wave Technologies
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Lymaicheva, Natalie E.
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Lukowiak, Andrew A.
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Skrzypczynski, Zbigy
Takova, Tsetska Y.
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94.1%;
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                                                                                                                                                                                                                                                                  Kaiser, Michael
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                                                                                                                                                                        Eis, Peggy S.
Hall, Jeff G.
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ORGANISM: Homo sapiens
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Ip, Hon S.
Ji, Lin
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Best Local Similarity
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            GENERAL INFORMATION:
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US-10-238-700-3142/c
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311 CACCATAACCTTAGATG 327
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Best Local Similarity 88.2
Matches 15, Conservative
            PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                   ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-756A-1329
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Best Local Similarity
Matches 15; Conserv
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                                                                                                                                                                                                                                                                                    SEQ ID NO 1329
LENGTH: 17
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NAME/KEY: primer_bind
LOCATION: 1..18
OTHER INFORMATION: upstream amplification primer 99-21773 for SEQ 3810,
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Publication No. US2030046717A1

GENERAL INFORMATION:
APPLICANT: Zhang, Jian
TITLE OF INVENTION:
FILE REFERENCE: P80177
CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT APPLICATION NUMBER: US/10/0667
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
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TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PB01.7
CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT FILING DATE: 2002-01-30
                                                                                                                     2.3%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 51;
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                                                                                                                                                                    0; Mismatches
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PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR FILING DATE: 2001-01-30
PRIOR RILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-05-23
PRIOR PILING DATE: 2001-00-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Acomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                          Sequence 1328, Application US/10060756A Publication No. US20030046717A1 GENERAL INFORMATION:
                                                                                                                                                                                                             450 GAGAGGATAAGCCAAG 467
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ORGANISM: Homo sapiens
                                                                                                                                           Best Local Similarity
Matches 16; Conserv
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Best Local Similarity
Matches 15; Conserv
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                                                                       US-10-349-143-7744
                                                                                                                     Query Match
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Sequence 339, Application US/10060895A
| Publication No. US2030104403A1
| GBNERAL INPORMATION: US2030104403A1
| APPLICANT: Can's Tang
| APPLICANT: Can
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93.8%; Pred. No. 51;
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Pred. No. 55;
0; Mismatches
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                     PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/USO1/00663
PRIOR PLICATION NUMBER: PCT/USO1/00663
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-05-23
PRIOR PLILING DATE: 2001-06-23
PRIOR PLILING DATE: 2001-10-09
NUMBER OF SEQ ID NOS: 4804
SOFTWARE: Acomica Sequence Listing Engine
PCT/US01/00665
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; Sequence 196, Application US/10128560
; Publication No. US20030134272A1
; GENERAL INFORMATION:
; APPLICANT: Universiteit Gent
; TILE OF INVENTION: Improved mutation analysis of the NF1 Gene
; TILE REFERENCE: UG-005-907
; CURRENT APPLICATION NUMBER: US/10/128,560
CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: EP 99870216.1
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: B0 00870122.9
; PRIOR APPLICATION NUMBER: UG 60/211,929
; PRIOR PILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 264
; SOPTWARE: PatentIN Ver: 2.1
; LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 100, Application US/10128560
; Bedication No. US20030134272A1
; GENERAL INFORMATION:
; APPLICANT UNiversitet Gent
; TITLE OF INVENTION: Improved mutation analysis of the NFI Gene
FILE REFERENCE: UG-005-PCT
; CURRENT APPLICATION NUMBER: US/10/128,560
CURRENT FILING DATE: 1999-10-18
; PRIOR PILING DATE: 1999-10-18
; PRIOR PILING DATE: 2000-06-05
; PRIOR FILING DATE: 2000-06-05
; PRIOR FILING DATE: 2000-06-05
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PRICHTING VOICE: 2.1
; SEQ ID NO 140
: LENGTH: 17
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2.2%; Score 13.8; Dest Local Similarity 88.2%; Pred. No. 55; Matches 15; Conservative 0; Mismatches
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88.2%; Pred. No. 55;
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NUMBER OF SEQ ID NOS: 8013
SOFWARE: Patentin version 3.0
SEQ ID NO 7073
LENGTH: 17
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CORGANISM: Homo sapiens
US-10-128-560-196
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CRGANISM: Homo sapiens
US-10-128-560-140
                                                                                                     TYPE: RNA
CRGANISM: Homo sapiens
US-10-156-306-7073
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Matches 15; Conserv
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US-10-128-560-196/c
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US-10-128-560-140/c
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Publication No. US20030119017A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
TITLE REFERENCE: MSHOOL 664-A (400/050)
CURRENT PRILING DATE: 2002-05-28
CURRENT FILING DATE: 2002-05-28
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT PILING DATE: 2002-05-28
NUMBER OF SEQ ID MOS: 8013
SOFTWARE: PatentIn version 3.0
                                                                                                                             Publication No. US20030119017A1

GENERAL INFORMATION:
APPLICANT: Ribozywe Pharmaceuticals, Inc.
APPLICANT: Ribozywe Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REPERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT APPLICATION NUMBER: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
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82.4%; Pred. No. 55
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          17 CACCATAACCTTCAATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-156-306-5116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
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US-10-156-306-7073/c
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US-10-156-306-5116/c
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US-10-156-306-351
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LENGTH: 17
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LENGTH: 17
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| Sequence 276, Application US/10043875 | Publication No. US20030054339A1 | GENERAL INFORMATION | US20030054339A1 | GENERAL INFORMATION | APPLICAMY: BESMER, Worker, Lieven | APPLICAMY: Button | Commence | APPLICAMY: Button | Commence | Commen
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US-10-043-87
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100.0%; Pred. No. 55;
ive 0; Mismatches 0; Indels
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; ORGANISM: Human immunodeficiency virus
US-10-043-875-276
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US-10-043-875-274
Sequence 274, Application US/10043875
Publication No. US20030054339A1
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Best Local Similarity
Matches 13; Conserv
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Publication No. US/20030153521A1
Publication No. US/20030153521A1
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
FILE REFERENCE: 400/057 (Mah901-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT APPLICATION NUMBER: PCT/US 02/16840
PRIOR APPLICATION NUMBER: US 60/318 471
PRIOR APPLICATION NUMBER: US 60/318 471
PRIOR FILING: DATE: 2002-09-18
NUMBER: OF SEQ ID NOS: 4666
SOFTWARE: PatentIn version 3.0
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. OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 2300
US-10-287-919-1817
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Publication No. US20030085830A1
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REPERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
SEQ ID NO 1817
LENGTH: 15
             Length 17;
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    Score 13.8; DB 1;
Pred. No. 55;
                                                                                       0; Mismatches
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Best Local Similarity 93.3%; Pred. No. 53;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                      97 TCTCCAGTGAAACTTT 113
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2.2%;
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                                                                                                                                                                                                                                                     17 TTTCCAGTGAGACTTT 1
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    Query Match 2.2
Best Local Similarity 88.2
Matches 15, Conservative
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Best Local Similarity 58.8
Matches 10; Conservative
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CORGANISM: Homo sapiens
US-10-238-700-1062
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US-10-287-919-1817
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Sequence 277, Application US/10043875

Sequence 277, Application US/10043875

Publication No. US20030054339A1

GENERAL INFORMATION:
APPLICANT: De Smet, Koenraad
APPLICANT: De Smet, Koenraad
APPLICANT: Stuyver, Lieven
ITILE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
ITILE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
FILE REPERENCE: 11362-0033-NPUSOI (INNS:033)
CURRENT APPLICATION NUMBER: US/10/043,875
CURRENT FILING DATE: 2002-04-03
PRIOR PILING DATE: 2001-04-24
PRIOR PLING DATE: 2001-04-24

PRIOR PLING DATE: 2001-04-20

PRIOR FILING DATE: 2001-01-11

NUMBER OF SEQ ID NOS: 884

SEQ ID NO 277

LENGTH: 16

SEQ ID NO 277
                                                                  APPLICANT: Stuyver, Lieven
TITLE OF INVENTION: Method for Detection of Drug-Induced Mutations in the HIV Reverse
TITLE OF INVENTION: Transcriptase Gene
FILE REPRENCE: 11362-0033-NPUGGGI [INNS:033)
CURRENT APPLICATION NUMBER: US/10/043,875
CURRENT FILING DATE: 2002-04-03
PRIOR APPLICATION NUMBER: 60/286,102
PRIOR FILING DATE: 2001-04-24
PRIOR FILING DATE: 2001-04-24
PRIOR FILING DATE: 2001-04-20
PRIOR FILING DATE: 2001-04-10
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2.1%; Score 13; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 13; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 58;
tive 0; Mismatches 0; Indels
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                                           APPLICANT: De Smet, Koenraad
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Best Local Similarity 100.
Matches 13; Conservative
GENERAL INFORMATION:
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US-10-043-875-277
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GenCore version 5.1.6 Copyright (c) 1993 - 2004 Compugen Ltd.

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Sequence 20, Appl
Sequence 744, Ap
Sequence 7, Appl
Sequence 2, Appli
Sequence 2, Appli
Sequence 11, App
Sequence 41, Appl
Sequence 41, Appl
Sequence 41, Appl
Sequence 41, Appl
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                                   October 1, 2004, 07:03:27 ; Search time 0.001 Seconds
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US-09-853-798A-16
US-09-853-798A-15
US-09-853-798A-15
US-09-853-798A-19
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US-09-853-798A-19
US-09-853-798A-19
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US-09-853-798A-10
US-09-853-798A-11
US-08-81-096A-41
US-08-10-005A-414
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Maximum Match 100%
Listing first 25 summaries
 - nucleic search, using sw model
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Match Length DB
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RESULT 1 US-09-853-798A-17/c : Sequence 17, Application US/09853798A

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US-09-854-302-15/c

Sequence 15, Application US/09854302

Sequence 15, Application US/09854302

Sequence 15, Application US/09854302

Setent No. 655536

GENERAL INFORMATION:

APPLICANT: Rybczynski, Philip

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

CURRENT PELLING DATE: 2001-10-15

NUMBER OF SEQ ID NOS: 15

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 15

LENGTH: 26

TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
       GENERAL INFORMATION:
APPLICANT: Rybczynski, Philip
APPLICANT: et al.
APPLICANT: et al.
TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
FILE REFERENCE: 431565566, patin2.1
CURRENT PAPLICATION NUMBER: US/09/853,798A
CURRENT FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PATENTE VET. 2.1
LENGTH: 33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Rybczynski, Philip
APPLICANT: Rybczynski, Philip
APPLICANT: et al.
TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
FILE REFERENCE: 431565566, patin2.1
CURRENT APPLICATION NUMBER: US/09/853,798A
CURRENT FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 16
LENGTH: 29
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100.0%; Pred. No. 0.94;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 5.2%; Score 33; DB 1;
Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 33; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29 TGATCACCATTAAATCTGAAAGTACCTTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 16, Application US/09853798A; Patent No. 6599899
                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
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Patent No. 6599899
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US-09-853-798A-16/c
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Matches
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Sequence 11444, Application US/09422978
Patent No. 6537751
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                  RESULT 6
US-09-853-798A-18/c
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Fatent No. 659899
GENERAL INFORMATION:
APPLICANT: Rybczynski, Philip
APPLICANT: Rybczynski, Philip
TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
FILE REFERENCE: 431565566, patin2.1
CURRENT APPLICATION WIDMER: US/09/853,798A
CURRENT FILING DATE: 2001-05-11
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 15
LENGTH: 26
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Sequence 19, Application US/09853798A

Sequence 19, Application US/09853798A

Sequence 19, Application US/09853798A

Sequence 19, Application

APPLICANT: EVERTAINED TO SET 10.

TITLE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO [1,4] OXAZIN-3-ONES

FILE REFERENCE: 43156556, patin2.1

CURRENT APPLICATION UNDERS: US/09/853,798A

CURRENT FILING DATE: 201-05-11

NUMBER OF SEQ ID NOS: 20

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 19

LENGTH: 24
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) ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-854-302-15
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, OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-853-798A-15
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                                                                                                                         Query Match
4.1%; Score 26; DB 1; Length 26.
Best Local Similarity 100.0%; Pred. No. 1.6;
Matches 26; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 24; Conservative
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US-09-853-798A-15/c
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GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Blumakov, Ilya
ITLE OF INVENTION: Blallelic markers for use in constructing a high density...
FILE REPERENCE: GENSET. 1020CPI
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT FILING DATE: 1999-10-20
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US-09-853-798A-20/C

Sequence 20, Application US/09853798A

Patent No. 659989

GENERAL INFORMATION:

APPLICANT: RYDEZYSKI, Philip

APPLICANT: BLOCGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES

TILE REPERENCE: 411565566, patin2.1

CURRENT APPLICATION NUMBER: US/09/853,798A

CURRENT PLING DATE: 2001-05-11

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PatentIn Ver. 2.1

LENGTH: 19
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Sequence 18, Application US/09853798A
Fatent No. 6599899
GENERAL INFORMATION:
APPLICANT: et al.
APPLICANT: et al.
TILE OF INVENTION: BIOLOGICALLY ACTIVE 4H-BENZO[1,4]OXAZIN-3-ONES
FILE REFERENCE: 43156556, patin2.1
CURRENT APPLICATION NUMBER: US/09/853,798A
NUMBER OF SEQ ID NOS: 20
SOFTWARE: Patentin Ver. 2.1
SEG ID NO 18
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US-09-853-798A-20
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3.6%; Score 23; DB 1; Length 23;
Best Local Similarity 100.0%; Pred. No. 2.5;
Matches 23; Conservative 0; Mismatches 0; Indels
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The sequence is the bottom strand of M-2 US and the pGEM target of the top clone shown in Figure 14 of original application.
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TITLE OF INVENTION: Method for Analyzing Concerted Integration of DNA Donor TITLE OF INVENTION: Method for Analyzing Concerted Integration of DNA Donor TITLE OF INVENTION: who decules into Target DNA and the Enzymes that Perform TITLE OF INVENTION: this Concerted Integration Reaction
FILE REFERENCE: 16153-8244
CURRENT APPLICATION NUMBER: US/09/253,977A
CURRENT APPLICATION NUMBER: 08/671,071
EARLIER APPLICATION NUMBER: 08/671,071
EARLIER APPLICATION NUMBER: 08/671,071
EARLIER FILING DATE: 1994-05-20
SEALIER FILING DATE: 1994-05-20
SEQID NOS: 7
SOPTWARE: PatentIN Ver: 2.0
SEQID NOS: 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORIGINAL SOURCE: Combination of avian or HIV-1 retrovirus ORIGINAL SOURCE: DNA, plan7 plasmid and pGEM plasmid. IMMEDIATE SOURCE: Same as in 2,vi.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2.1%; Score 13; DB 1; Length 15; 100.0%; Pred. No. 11; tive 0; Mismatches 0; Indels
                                                                                                                                           ZIP: 63144
COMPUTER READABLE FORM:
MEDIUM TYPE: Distette, 3.5 inch;
COMPUTER: Gateway 2000, 4DX2-66E(Intel)
OPERATING SYSTEM: IBM clone
                                                                                                                                                                                                                                                             SOFTWARE: Microsoft Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,071B
FILING DATE: 06/27/96
CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 962-0064
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 bases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: other nucleic acid HYPOTHETICAL: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-253-977-2
; Sequence 2, Application US/09253977A
; Patent No. 6316261
; GENERAL INFORMATION:
                 SSEE: Grandgenett, Du
T: 8610 Henrietta Ave
Brentwood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            254 CTTCATACTGGGC 266
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Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: double
     ORRESPONDENCE ADDRESS:
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COTHER INFORMATION:
COTHER INFORMATION:
US-08-671-071B-2
                           ADDRESSEE: Grand
STREET: 8610 Hen
CITY: Brentwood
STATE: Missouri
COUNTRY: USA
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                                                                                                                                                                                                                                                                                       NAME/KEY: primer_bind

1 LOCATION: 1..18

1 CHER INCRMATION: downstream amplification primer 99-6549 for SEQ 3579, in compleme

US-09-422-978-11444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7744, Application US/09422978

Faquence 7744, Application US/09422978

Factor No. 633751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chumakov, Ilya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENSET.0200P1

CURRENT APPLICATION NUMBER: US/09/422,978

CURRENT FILING DATE: 1999-04-21

EARLIER APPLICATION NUMBER: US 60/109,732

EARLIER APPLICATION NUMBER: US 60/109,732

EARLIER PILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-14-21

NUMBER: OF SEQ ID NOS: 11796

SEQ ID NO 7744
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Pred. No. 11;
0; Mismatches 2; Indels
; EARLIER APPLICATION NUMBER: US 09/298,850; EARLIER FILING DATE: 1999-04-21; EARLIER APPLICATION NUMBER: US 60/109,732; EARLIER FILING DATE: 1998-11-23; EARLIER FILING DATE: 1998-04-21; NUMBER: PER FILING DATE: 1998-04-21; NUMBER OF SEQ ID NOS: 11796; SEQ ID NO 11444
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Best Local Similarity 94.1<sup>§</sup>
Matches 16; Conservative
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Best Local Similarity 88.95
Matches 16; Conservative
                                                                                                                                                                                                                                           ORGANISM: Homo Sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: primer_bind LOCATION: 1..18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 9
US-09-422-978-7744
                                                                                                                                                                                                                       TYPE: DNA
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US-09-479-005A-414

US-09-479-005A-414

Sequence 414, Application US/09479005A

Patent No. 6656731

GENERAL INFORMATION

TILLE OF INVERMATION: Nucleic Acid Catalysts with Endonuclease Activity

TILLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity

TILLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity

FILLE REPRENCE: MBHB00-884-C

CURRENT APPLICATION NUMBER: US/09/479,005A

CURRENT FILING DATE: 1099-11-19

PRIOR FILING DATE: 1999-11-19

PRIOR FILING DATE: 1999-11-19

PRIOR FILING DATE: 1998-09-22

PRIOR FILING DATE: 1998-09-22

PRIOR FILING DATE: 1998-09-22

NUMBER OF SEQ ID NOS: 1208

SOFTWARE: PATENTIN VERSION 3.0

SEQ ID NO 414

LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                         COUNTRY: Catalogue COUNTRY: USA
ZIP: 94111-3834
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: FILPOPPY disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN PC-DOS/MS-DOS
SOFTWARE: PATENTIN PATA:
APPLICATION NUMBER: US/08/861,096A
FILING DATE: 21-MAY-1997
CLASSIFICATION NUMBER: US 60/018,143
APPLICATION NUMBER: US 60/018,143
FILING DATE: 22-MAY-1996
ATTONEY/AGENT INFORMATION:
NAME: Weber: Kenneth A:
NAME: Weber: Kenneth A:
NAME: (415) 576-0300
TELEFRACION NUMBER: 31,677
REGISTRATION NUMBER: 31,677
REGISTRATION NUMBER: 31,677
REBERRICCOMMUNICATION INFORMATION:
TELEFHONE: (415) 576-0300
TELEFRA: (41
                         E: Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 2.0%; Score 12.8; D
Best Local Similarity 87.5%; Pred. No. 14;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      406 TGGTGGAATGCGTCAT 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33 CTTGAAGAATAATCCT 48
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CORRESPONDENCE ADDRESS ADDRESSE: Townsend
                             ADDRESSEE: Townsend
STREET: Two Embarcad
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
                                                                                                                              California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; MOLECULE TYPE: DNA
US-08-861-096A-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-479-005A-414
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
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                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                   Sequence 131, Application US/08753147

Patent No. 5770372

GENERAL INFORMATION:

APPLICANT: Concannon, Patrick

TITLE OF INVENTION: Detection of Mutations in the Human ATM Gene
NUMBER OF SEQUENCES: 196

CORRESPONDENCE ADDRESS:

ADDRESSEE: Christensen O'Connor Johnson and Kindness
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Detection of Toxigenic Marine Diatoms of
the Genus Pseudo-nitzschia
45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.0%; Score 12.8; DB 1; Length 16; 87.5%; Pred. No. 14; tive 0; Mismatches 2; Indels
Query Match 2.1%; Score 13; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 11; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTER MEADALE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER READALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/753,147
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Shainess, Diana K.
REGISTRATION NUMBER: 35,356
REFERENCE/POCKET NUMBER: 35,356
REFERENCE/COCKET NUMBER: 37,356
RELEPHONE: (206) 743-4387
TELEFAK: (206) 743-4387
TELEFAK: (206) 24,0779
INFORMATION FOR SEQ ID NO: 131:
ELEFAK: (206) 24,0779
INFORMATION FOR SEQ ID NO: 131:
LEMGTH: 16 base pairs
TYPE: NUCLeic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-08-861-096A-41/C
US-08-861-096A-41/C
Sequence 41, Application US/08861096A
Sequence 41, Application US/08861096A
PAPLICANT: Scholin, Christopher A. APPLICANT: Cangelosi, Gerard A. APPLICANT: Haydock, Paul V. TITLE OF INVENTION: Detection of Tox: TITLE OF INVENTION: the Genus Pseudo NUMBER OF SEQUENCES: 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    561 AAGCAAGTAATTTTCT 576
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                                                                                                                                      254 CTTCATACTGGGC 266
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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Best Local Similarity 87.55
Matches 14; Conservative
                                                                                                                                                                                                       1 crrcaracresec 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Seattle
STATE: Washingtion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: HOMG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-753-147-131
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NUMBER OF SEQUENCES:

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Gaps
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2.0%; Score 12.4; DB 1;
Best Local Similarity 92.9%; Pred. No. 13;
Matches 13; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 299, Application US/08334847
; Sequence 299, Application US/08334847
; Patent No. 5693532
; GENERAL INFORMATION:
    APPLICANT: McSwiggen, James
    APPLICANT: McSwiggen, James
    APPLICANT: Pavco, Pam
    APPLICANT: Pavco, Pam
    APPLICANT: Pavco, Pam
    APPLICANT: Pavco, Pam
    APPLICANT: Woolf, Toolf, Title OF INVENTION: INHIBITING RESPIRATORY
    TITLE OF INVENTION: SYNOYTIAL VIRUS
    NUMBER OF SECUENCES: 909
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Lyon & Lyon

                                                                                                           STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 13.5" Diskette, 1.44 Mb
MEDIUM TYPE: 13.4" DATA: 13.4" 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IBM Compatible
SYSTEM: IBM P.C. DOS 5.0
Word Perfect 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: 8314 e 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A. ZIP: 90071-2066
                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            130 AAGTAGGAGTGGGC 143
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
; TOPOLOGY: linear
US-08-182-968A-484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Con
OPERATING SYSTEM:
SOFTWARE: Word Pe
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US-08-334-847-299/c
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                                                                                                                                                                                                                                                                         APPLICANT: Strickhoomb, Dan T.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Newton, Roger S.
APPLICANT: Randy
TITLE OF INVENTION: RIBOZYME TREATMENT OF DISEASES
TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF
TITLE OF INVENTION: INHIBITING AFOLIPOPROTEIN
TITLE OF INVENTION: INHIBITING AFOLIPOPROTEIN
NUMBER OF SEQUENCES: 392
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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Sequence 484, Application US/08182968A

Patent No. 5610054

GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPAITIS C
TITLE OF INVENTION: VIRUS REPLICATION

TITLE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.0%; Score 12.4; I 92.9%; Pred. No. 13; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 8torage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSEQ Version 1.5

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/ACENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/155
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
INFORMATION FOR SEQ ID NO: 235:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/311,760A FILING DATE: September 23, 1994 PRIOR APPLICATION DATA: APPLICATION NUMBER: FILING DATE:
                                                                                                                                                   S-08-311-760A-235/c
Sequence 235, Application US/08311760A
Patent No. 5599706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Lyon & Lyon
633 West Fifth Street
Suite 4700
|::||||||:|:
| CUUGAAGAAUAGUCAU 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Los Angeles
: California
RY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 13; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          linear
                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Stinch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
TOPOLOGY:
US-08-311-760A-235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET:
STREET:
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Score 12.4; DB 1; Length 15; Pred. No. 13; 3; Mismatches 1; Indels
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CLASSIFICATION: 435
PRIOR APPLICATION DATA: Including application
PRIOR APPLICATION DATA: described below:
PRIOR APPLICATION DATA: described below:
APPLICATION NUMBER: 08008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-22-22-04-09-1/C
Sequence 691, Application US/08292620A
Fatent No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: James McSwiggen
APPLICANT: General Stinchcomb
APPLICANT: Fenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OF CONDITIONS
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSE: Los Angales
STREET: Suite 4700
CITY: Los Angales
STREET: Suite 4700
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
MEDIUM TYPE: SICD ADDRESS:
MEDIUM TYPE: SICD ADDRESS:
COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
CONDITY: THE COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
CONDITY: THE COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
CONDITY: THE COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
CONDITY: THE COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
CONDITY: THE COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
CONDITY: THE COMPUTER READBLE FORM:
COMPUTER READBLE FORM:
MEDIUM TYPE: SICD ADDRESS:
COMPUTER READBLE FORM:
COMPUTER 
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 71.4%;
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEAX: (21),
TELEX: 67.3510
INFORMATION FOR SEQ ID NO: 6%
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   236 TAAAAATACTGAGA 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 UAAAAAUACUCAGA 14
          SEQUENCE CHARACTERISTICS
                                                     LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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US-08-292-620A-691/c
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                                                                                                                                                                                                                 ; TOPOLOGY:
US-08-334-847-492
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Patent No. 5693532

GENERAL INFORMATION:
APPLICANT: McSwiggen, James
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: Woolf, Tac
ITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING RESPIRATORY
ITLE OF INVENTION: INHIBITING RESPIRATORY
ITLE OF INVENTION: OF I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:

MEDIUM TYPE: 3." Diskette, 1.44 Mb MEDIUM TYPE: 3." Diskette, 1.44 Mb MEDIUM TYPE: Storage COMPUTER: IBM Compatible OPERATING SYSTEM: IBM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/334,847
FILING APPLICATION DATA:

APPLICATION NUMBER:

APPLICATION NUMBER:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/334,847
FILING DATE: No. 569532ember 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        209/032
                                                                                                                                                                                                                                            ATCALING DATE:
ATCAREY/ACBNT INFORMATION:
NAME: WATDUNGR: 32,327
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
TELERA: 67-3510
INFORMATION POR SEQ ID NO: 299:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANBENBESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REPERENCE/DOCKET NUMBER: 20;
TELECOMMUNICATION: INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (213) 489-1600
TELEPX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 492:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        621 TITITIAGATITAG 634
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ATORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 92.91
Matches 13; Conservative
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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TOPOLOGY:
US-08-334-847-299
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APPLICANT: Newton, Roger S.
APPLICANT: Rambarack, Randy
TITLE OF INVENTION: RIBOSYME TREATWENT OF DISEASES
TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF
TITLE OF INVENTION: PLASMA LIPOPROTEIN (a) [LP(a)] BY
TITLE OF INVENTION: INHIBITING APOLIPOPROTEIN
TITLE OF INVENTION:
NUMBER OF SEQUENCES: 392
CORRESPONDENCE ADDRESS:
STREFT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NESULI 22 Y
US-09-064-156A-484/C
Sequence 484, Application US/09064156A
Sequence 484, Application US/09064156A
Patent No. 612266
Tarent Information:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 498
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: San West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STREET: California
COUNTRY: U.S.A.
ZIP: 90071-2066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTIES READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
COMPUTER: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFWWARE: FASTEM: IBM P.C. DOS 5.0
SOFWWARE: PASTEM: IBM P.C. DOS 5.0
SOFWWARE: LAFFLICATION DATA:
APPLICATION NUMBER: US/08/714,310
FILING DATE: Becember 23, 1996
ATTORNEY AGENT INFORMATION:
APPLICATION NUMBER: 08/311,760
FILING DATE: September 23, 1994
ATTORNEY AGENT INFORMATION:
REFERENCE/COCKET NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELECHONE: (213) 489-1600
TELEBHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                          ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (213) 955-0440
TELEX: 67-3510
INPORMATION FOR SEQ ID NO: 235:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 92.9%;
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                         CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-774-310-235
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                                                                                                        DB 1; Length 15;
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                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                          RESULT 20
US-08-774-306A-484/C
US-08-774-306A-484/C
US-08-774-306A-484/C
Sequence 484, Application US/08774306A
Parent No. 5869253
CENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: UNRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2.0%; Score 12.4; I Local Similarity 92.9%; Pred. No. 13; les 13; Conservative 0; Mismatches
                                                                                                Query Match
2.0%; Score 12.4; I
Best Local Similarity 92.9%; Pred. No. 13;
Matches 13; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORREY/AGBRT INFORMATION:
NAME: Warburg, Richard J.
REJESTRATION NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 499-1600
TELEFAX: (213) 499-1600
TELEFAX: (213) 955-0440
INFORMATION FOR SEQ ID NO: 484:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 21
US-08-774-310-235/c
Sequence 235, Application US/08774310
Factor No. 5877022
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: McSwiggen, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   130 AAGTAGGAGTGGGC 143
                                                                                                                                                                                             190 TCAGTGTGAATGGG 203
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; STRANDEDNESS: single

; TOPOLOGY:

US-08-774-306A-484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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Matches
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APPLICANT: Sociato. Philippe
APPLICANT: Robertson, Elizabeth J.
APPLICANT: Robertson, Elizabeth J.
TITLE OF INVENTION: MEDIADOS AND VECTOR CONSTRUCTS FOR MAKING TRANSGENIC TITLE OF INVENTION: HETEROLOGOUS GENE
FILE REPERENCE: 145384-44-1
CURRENT FILING DATE: 1999-04-14
EARLIER FILING DATE: 1999-04-15
EARLIER FILING DATE: 1998-04-15
NUMBER OF SEQ ID NOS: 28
SOFTWARE: PARENCE 1998-04-15
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.0%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 13; Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
1.9%; Score 12; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-311-486C-736

Sequence 736, Application US/08311486C

Patent No. 581130.

GENERAL INFORMATION:

APPLICANT: Sean Sullivan

APPLICANT: Kenneth Drager

APPLICANT: Kevin Kisich

APPLICANT: Dan T. Stinchcomb
                             US/08/292,620
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/22,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: Autuary 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/ASENT INFORMATION:
NAME: WARDHIGGRAATION
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                            32,327
ER: 208/149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Encephalomyocarditis virus US-09-291-541-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-291-541-25
; Sequence 25, Application US/09291541
Patent No. 6461864
; GENERAL INFORMATION:
                                                                                                                                                                                                                             REFERENCE DOCKET NUMBER: 208/
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 691:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    190 TCAGTGTGAATGGG 203
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2.0%; Score 12.4; I 92.9%; Pred. No. 13; ive 0; Mismatches
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD PATE:
APPLICATION NUMBER: US/09/071,845
                 COMPUTER: IBM COMPATIBLE
COMPUTER: IBM COMPATIBLE
SOFTWARE: WORD PERCET 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/64,156A
FILING DATE: April 21, 1998
PRIOR APPLICATION NUMBER: 08/774,306
FILING DATE: December 26, 1996
APPLICATION NUMBER: 08/782,968
FILING DATE: December 26, 1996
APPLICATION NUMBER: 07/882,968
FILING DATE: MAY 14, 1992
APPLICATION NUMBER: 07/882,888
FILING DATE: MAY 14, 1992
APPLICATION NUMBER: 32,327
RECESTRATION NUMBER: 32,327
RECESTRATION NUMBER: 32,327
TELECOMMUNICATION:
TELECHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 691, Application US/09071845
Patent No. 6132967
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Matches 13; Conservative 0;
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APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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CITY: Los Angeles
STATE: California
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CLASSIFICATION:
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APPLICANT: James McSwiggen
TITLE OF INVENTION: RIBGZYME TREATMENT OF
TITLE OF INVENTION: DISEASES OR CONDITIONS
TITLE OF INVENTION: THE.'

NUMBER OF SEQUENCES: 1157
COMRESPONDENCE ADDRESS:
ADDRESPONDENCE ADDRESS:
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COUNTRY: LOS ANGALES
COUNTRY: LOS ANGALES
COUNTRY: LOS ANGALES
COUNTRY: LOS ADGRESS
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" DISKette, 1.44 Mb
MEDIUM TYPE: SECREGE
COMPUTER: LOS ADDRESSING ANGALISS
CONTRANT APPLICATION DATA:
APPLICATION NUMBER: US/08/311,486C
FILING DATE: December 23, 1994
APPLICATION NUMBER: 07/989,849
FILING DATE: DECEMBER: 07/989,849
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) TYPE: nucleic acid

TYPE: nucleic acid

STRANDEDNESS: single

) TOPOLOGY: linear

US-08-311-486C-736
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328 GGGGTGTCCTGG 339

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Query Match
Best Local Similarity 75.0
Matches 9; Conservative

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Gaps

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Search completed: October 1, 2004, 07:03:27 Job time : 0.001 secs

min ruge bidlik (uspto)

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ACCESSION:A88074 ACCESSION:A90041 ACCESSION:BD065587

PAT 17-AUG-2003

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1 (bases 1 to 33)

Burris,T.P. and Rybozynski,P.J.

Benzoxazinones as peroxisome proliferator activated receptor gamma modulators and method of treatment

Patent: US 6599899-A 17 29-JUL-2003;

Location/Qualifiers
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Burris,T.P. and Rybczynski,P.J.

Benzoxazinones as peroxisome proliferator activated receptor gamma modulators and method of treatment

Patent: US 6599999-A io 29-JUL-2003;

Location/Qualifiers
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AR361917
AR361917.1 GI:33769928
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Sequence 17 from patent US 6599899.
AR361918
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Best Local Similarity 100.
Matches 29; Conservative
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AR361917/c
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AR309143/c
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ACCESSION
VERSION
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AR361918/c
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ACCESSION: AX119483
ACCESSION: AX119539
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ACCESSION: BD201506
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ACCESSION: AX497397
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                                                                               September 30, 2004, 16:29:21; Search time 0.001 Seconds (without alignments) 916.764 Million cell updates/sec
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             GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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Maximum Match 100%
Listing first 36 summaries
                                                           nucleic search, using sw model
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AX500021
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Gapop 10.0 , Gapext 0.5
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PAT 17-AUG-2003

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Turchi, I.J.
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                                                                                                                                                                                                                                                                                                                                                                          Methods of treatment using benzoxazinones as peroxisome proliferator activated receptor gamma modulators Patent: WO 0187961.A 15.2-NOV-2001; Ortho-McNeil Pharmaceutical, Inc. (US) Location/Qualifiers
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4.1%; Score 26; DB 1; Length 26; 100.0%; Pred. No. 3.4; ative 0; Mismatches 0; Indels
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Biologically active 4h-benzo 1,4uoxazin-3-ones
Patent: WO 187862-A 15 22-NOV-2001;
Ortho-McNeil Pharmaceutical, Inc. (US)
Location/Qualifiers
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Sequence 15 from Patent WO0187861.
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Matches 26; Conservative
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              Best Local Similarity
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ACCESSION
VERSION
KEYWORDS
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AX338577/c
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Burris, T.P. and Rybczynski, P.J.
Benzoxazinones as peroxisome proliferator activated receptor gamma modulators and method of treatment
Patent: US 6599899-A 15 29-JUL-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Burris,T.P. and Rybczynski,P.J.

Novel benzoxazinones as peroxisome proliferator activated receptor gamma modulators and method of treatment
Patent: WO 0187860.A 15 22-NOV-2001;
Ortho-McNeil Pharmaceutical, Inc. (US)
Location/Qualifiers
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                                               1 (bases 1 to 26)
Burris,T.P., Combs,D.W. and Rybczynski,P.J.
Biologically active 4H-benzo [1,4]oxazin-3-ones
Patent: US 655536-A 15 29-APR-2003;
Location/Qualifiers
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Pred. No. 3.4;
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                                                                                                                                                                                                                    ilarity 100.0%; Pred. No. 3.4
Conservative 0; Mismatches
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4.1%; Score 26; DB
Best Local Similarity 100.0%; Pred. No. 3.4
Matches 26; Conservative 0; Mismatches
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Sequence 15 from Patent W00187860.
AX327744
                                                                                                                                                                 /mol_type="genomic DNA"
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/organism="unknown"
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/organism="unknown"
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AX327744/c
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Best Local Similarity 100.0%; Pred. No. 7.4;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                          Length 20;
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/mol type="unassigned DNA"
/mol xpef="taxon:32630"
/noFe="DNA"
             1. 20
/organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="primer"
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="DNA"
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Sequence 11 from Patent W00206450.
AX357027 GI:18674223
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Sequence 12 from Patent WO0206450.
AX357028
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1 (bases 1 to 24)
Burris,T.P. and Rybczynski,P.J.
Burris,T.P. and Rybczynski,P.J.
Benzoxazinones as peroxisome proliferator activated receptor gamma modulators and method of treatment patent: US 6599899-A 19 29-UUL-2003;
Patent: Us 6599899-A 19 29-UUL-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ch 3.6%; Score 23; DB 1; Length 23; 1 Similarity 100.0%; Pred. No. 5.1; 23; Conservative 0; Mismatches 0; Indels
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Sequence 19 from patent US 6599899.
AR361920.
AR361920.1 GI:33769931
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Sequence 18 from patent US 6599899.
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Sequence 31 from Patent WO0164238.
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AX282817.1 GI:16609817
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/organism="unknown"
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1 (bases 1 to 22)

Gerbens, F.

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Malyankar,U.M., Grosse,W.M.,
Alsobrook,J.P., Lepley,D.M., Spytek,K.A., Li,L., Edinger,S.,
Gerlach,V., Ellerman,K., Macdougall,J., Gunther,E., Millet,I.,
Stone,D., Smithsoh,G. and Szekeres,B.S.
Human proteins, polynucleotides encoding them and methods of using
the same
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: Wo 0.1887-6.A.14. 31. MAY-2001,
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
Location/Qualifiers
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3.0%; Score 18.8; D
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches

    .22
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Best Local Similarity 85.7%; Pred. No. 15;
Matches 18; Conservative 1; Mismatches
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AX497397
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SB Urris,T.P. and Rybczynski,P.J.

SB Burris,T.P. and Rybczynski,P.J.

SB Burris,T.P. and method of treatment modulators and method of treatment

IAL Patent: US 6599899-A 20 29-JUL-2003;

SS Location/Qualifiers

ource /organism="unknown"

/mol_type="genomic DNA"
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Best Local Similarity 100.0%; Pred. No. 8.3;
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/organism="synthetic construct"
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Sequence 20 from patent US 6599899.
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AX282822
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Sequence 3 from Patent WO9914365.
A98024
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CGTTGACCTGGACTGAAGTT 490
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                          20 CGTTGACCTGGACTGAAGTT 1
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Best Local Similarity 100.
Matches 19; Conservative
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AR361921/c
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PAT 26-SEP-2002

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                               Jarvis,T., von Carlowitz,I., Mcswiggen,J.A., Mclaughlin,F.G. and Randi,A.M.
Method and reagent for the inhibition of erg
Patent: WO 0188124-A 454 22-NOV-2001:
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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AX500021
AX500021.1 GI:23382314
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Sequence 1329 from Patent EP1229046.
AX500022 GI:23382315
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13.8%; Pred. No. 18;
ve 0; Mismatches
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Best Local Similarity 93.8%; Pred. No. 18;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
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/db_xref="taxon:9606"
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Sequence 454 from Patent WO0188124.
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AX422118.1 GI:21525500
1 GAGAGAGCAAAACCCAAG 18
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Best Local Similarity 93.8%;
Matches 15; Conservative
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I (bases 1 to 18)

R Cohen, D., Chumakov, I. and Blumenfeld, M.

Biallelic markers for use in constructing a high density disequilibrium map of the human genome

All Patent: US 6537751-A 7744 25 MAR-2003;

Location/Qualifiers
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Unclassified.
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AS Cohen,D., Chumakov,I. and Blumenfeld,M.
Biallelic markers for use in constructing a high density disequilibrium map of the human genome
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US 6537751.
Patent: WO 0229058-A 164 11-APR-2002;
Curagen Corporation (US)
Location/Qualifiers
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Sequence 7744 from patent
AR296009
AR296009.1 GI:31683293
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Best Local Similarity 90.0°
Matches 18; Conservative
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 03040369-A 3087 15-MAY-2003.
Molecular Englines Laboratories (FR)
Location/Qualifiers
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Patent: WO 0129251-A 140 26-APR-2001;
UNIVERSITEIT GENT (BE)
Location/Qualifiers
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                                                                                                                                            Query Match 2.2%; Score 14; DB Best Local Similarity 100.0%; Pred. No. 20; Matches 14; Conservative 0; Mismatches
                                                                     /organism="Homo sapiens"
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Sequence 140 from Patent WO0129251.
AX119483
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Best Local Similarity <u>88.2%;</u> Pred. No. 20;
Matches 15; Conservative 0; Mismatches
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/db_xref="taxon:9606"
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Pred. No. 20;
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Best Local Similarity 88.2%; Pre
Matches 15; Conservative 0;
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                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
Patent: WO 03040369-A 5809 15-MAY_2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 5809 from Patent W003040369.
AX762488
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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2.3%; Score 14.4; D
Best Local Similarity 93.8%; Pred. No. 18;
Matches 15; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
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Matches 15; Conserv
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                                                                                          Zhan, J.
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AX762488/c
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                             Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
medicines
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Human prostate cancer candidate protein 1
Patent: WO 03050284-A 291 19-UIN-2009;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 291 from Patent WO03050284.
AX781960
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/mol_type="unassigned DNA"
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Sequence 804 from Patent WO03040369.
AX757483
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/db_xref="taxon:9606"
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Pred. No. 20;
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                                         AX757483.1 GI:32252099
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ilarity 88.2%;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase 10
Patent: EP 1243660-A 329 25-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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88.2%; Pred. No. 20;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 329 from Patent EP1243660.
AX544816
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Sequence 2096 from Patent AX730462
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Best Local Similarity 88-3
Matches 15; Conservative
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RESULT 28 AX730462

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Bukaryota; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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Reses 1 to 17)

Reses 1 to 17)

Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response

RIBOZYME PHARMACEUTICALS INC

A 17 2002509721-A 4532 02.AER-2002;

RIBOZYME PHARMACEUTICALS INC

PN UP 2002509721-A 4532

PN UP 2002509721-A 4532
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PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC C12N5/00
       Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response. BD201506 BD201506.1 GI:33011276 Homo Sapiens (human)
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PN JP 2002503721-A/4532
PD 02-ARR-1999 JP 2000541291
PR 24-MAR-1999 US 60/079679
PI JAMELA A PAVCO ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHO
PC C12N15/09,A61K31/7088,A61K31/7125,A61K48/00,A61P3/10,A61P17/06,
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Brysch, W. and Schlingensiepen, K.
AN ANTISENSE OLIGONUCLECTIDE PREPARATION METHOD
PATENT: WO 9833904-A 222 06-AUG-1928.
BIOGNOSTIK GES (DE); BRYSCH WOLFGANG (DE)
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Key Location/Qualifiers
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Sequence 222 from Patent WO9833904.
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    16
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/organism="Homo sapiens"
/mol_type="genomic RNA"
/db_xref="taxon:9606"
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PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
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27-WAR-1998 US 60/079678
PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
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I (bases 1 to 17)

Pavco, P.A., Roberts, E., Jarvis, T., Cosshott, C. and Mcswiggen, J.A. Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response

Patent: JP 2002509721-A 4531 02-APR-2002;
RIBOZYME PHARMACEUTICALS INC
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PN 02-202509721-A/4531
PD 02-APR-1999 JP 2000541291
PR 27-MAR-1999 US 60/079678
PI PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOY
PI JAMES A MCSWIGGEN
PC CI2NIS/09, A61K31/7088, A61K31/7125, A61K48/00, A61P3/10, A61P17/06,
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Guo,J.
Human prostate cancer candidate protein 1
Parent: WO 03050284-A 292 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
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Pred. No. 20;
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JP 2002509721-A/4531.
Homo sapiens (human)
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Matches 15; Conservative 0;
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Schlingensiepen, K.H. and Brysch, W.
An antisense oligonucleotide preparation method
Patent: JP 2011511000-A 222 07-AUG-2001;
BIOGNOSTIK GESELLSCHAFT FUR BIOMOLEKULARE DIAGNOSTIK MBH
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JP 2001511000-A/222
07-AUG-1201
30-AUG-1201
30-JAN-1998 JP 1998532533
31-JAN-1997 EP 97101531.8
KARL HERMANN SCHLINGENSIEPER, WOLFGANG BRYSCH
CI2N15/11,C07/21/C04,A61K31/70
An antisense oligonucleotide preparation method FH
Location/Qualifiers
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Best Local Similarity 91.33; Pred. No. 20;
Matches 14; Conservative 0; Mismatches 1; Indels
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Brysch, W.D. and Schlingensiepen, K.D.
An antisense oligonuclectide preparation method
Patent: EP 085679-A 222 05-AUG-1998;
BIOGNOSTIK GES (DE)
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/organism='Unknown'
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Sequence 222 from Patent EP0856579.
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